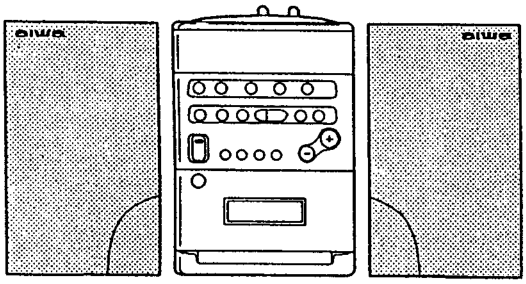
AIWA-01159

aiwa

LCX-7



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 2ZM-1 R2N
- BASIC CD MECHANISM : KSM-2101BAM
- TYPE. HM, HR, Z

SERVICE MANUAL

[REVISION PUBLISHING]

SYSTEM	CD-CASSEIVER	SPEAKER	REMOTE CONTROLLER
LCX-7	CX-L7	SX-L7	RC-L7

S/M Code No. 09-941-042-40T

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SPECIFICATIONS

<FM section>

Frequency range	87.5MHz to 108MHz
Antenna	75ohms (unbalanced)

<AM (MW) section>

Frequency range	HR, Z : AM (MW) 531 (530) kHz to 1602 (1710) kHz HM : MW 531 (530) kHz to 1602 (1710) kHz (9kHz/10kHz step)
Antenna	Loop antenna

<LW section> (Z model only)

Frequency range	153kHz to 288kHz
Antenna	Loop antenna

<SW section> (HM model only)

Frequency range	SW1 : 3200kHz to 7300kHz SW2 : 9.5MHz to 21.85MHz
Antenna	Wire antenna

<Timer section>

Program timer	On-timer, capable of free setting Capable of setting in 10-minute increments, 120 minutes maximum

<Amplifier section>

Power output	10W + 10W (6ohms, T.H.D 1 % 1kHz)

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	CrO_2 tape : 50-16000Hz Normal tape : 50-15000Hz
Signal-to-noise ratio	50dB
Tape speed	4.8cm/sec.(1 7/8 ips)
Recording system	AC bias
Erasure system	AC erase
Head	Recording/playback head × 1 Erasure head × 1

<CD player section>

Disc	Compact disc
Scanning method	Non contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser ($\lambda = 780$nm)
Rotation speed	Approx. 500rpm-200rpm (CLV)
Error correction	Cross Interleave, Reed Solomon Code
No. of channels	2 channels
D-A. conversion	16-bit linear
Wow/flutter	Unmeasurable

SPEAKER SYSTEM SX-L7

(These values are for one speaker)

Cabinet type	1 way, bass reflex (Magnetism sealed type)
Speaker	100mm (4 in.) cone type woofer
Impedance	6 ohms
Music power	20W
Output sound pressure level	91dB/W/m
Dimensions (W × H × D)	129 × 230 × 216.6mm (5 1/8 × 9 1/8 × 8 5/8 in.)
Weight	SX-L7 : 1.83kg (4.03lbs.)

<GENERAL>

Power requirements	HM, HR : AC 120V/220V/240V, switchable 50/60Hz Z : AC 230V, 50Hz
Power consumption	HM : 48W HR : 58W Z : 90W
Dimensions (W × H × D)	Center unit : 140 × 238 × 252.4mm (15 3/4 × 9 3/8 × 10 in.) System : 398 × 238 × 252.4mm (15 3/4 × 9 3/8 × 10 in.)
Weight	Center unit : 3.5kg (7.7lbs.) System : 7.16kg (15.6lbs.)

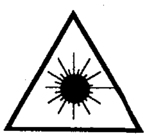
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- ■ Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- ■ Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

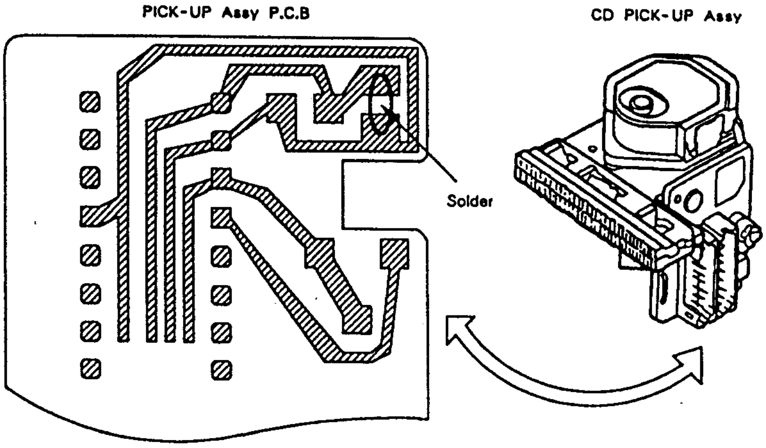
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block (KSM – 210B)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC			
	87-017-474-010		IC, CXA1782AQ
	87-020-454-010		IC, DM6851
	87-001-942-019		IC, LA1265S(G)
	83-CT2-664-010		IC, UPD78043GF-049
	87-002-901-089		IC, BU4094BF
	87-017-475-010		IC, CXD2517Q
	87-020-446-019		IC, TA7343AP
	87-017-486-089		IC, BA6397FP
	87-001-376-019		IC, LC7218
	87-002-657-089		IC, BA3830F
	87-017-429-089		IC, TDA1311A(T)
	87-002-900-089		IC, BU4051BF
	87-001-982-019		IC, TA7291S
	82-MXE-602-010		IC, GP1U581Y
	87-017-360-080		IC, SC7S04F
	87-017-022-089		IC, NJM2068M-D(T1)
	87-002-290-019		IC, BA3126F
	87-027-842-089		IC, NJM2904M
	87-001-607-089		IC, NJM4558M
	87-017-311-080		IC, M65831FP〈HM, HR〉
	87-002-226-019		IC, TA8220H
	87-027-739-019		IC, NJM-4556D
	87-017-421-089		IC, TC9212F
	87-002-967-089		IC, BU4052BF
	87-002-218-010		IC, XRC5451AP
	87-020-730-089		IC, TC4069UBF
⚠	87-001-132-089		IC, ICP-N38 T104
TRANSISTOR			
	89-503-025-089		C-FET, 2SK302GR
	89-327-124-089		C-TR, 2SC2712Y
	87-026-463-080		TR, 2SA933S(RS)
	87-026-463-089		TR, 2SA933S(RS) 〈HR, Z〉
	89-327-143-089		C-TR, 2SC2714(O)
	89-113-187-889		TR, 2SA1318TU
	87-026-235-089		C-TR, DTC114EK
	87-026-237-089		C-TR, DTC124XK
	89-502-114-089		FET, 2SK211Y〈Z〉
	89-112-134-089		C-TR, 2SA1213Y
	89-113-625-089		C-TR, 2SA1362GR(TAPG)
	89-109-521-089		TR, 2SA952K
	89-327-125-089		C-TR, 2SC2712GR
	87-026-233-089		C-TR, DTA114TK
	87-026-239-089		C-TR, DTC114TK
	89-505-445-080		FET, 2SK544EK〈HM〉
	87-026-230-089		C-TR, DTA114YK
	89-502-094-089		C-FET, 2SK209Y
	87-026-214-089		TR, DTA114YS
	87-026-214-080		TR, DTA114YS〈HM〉
	89-111-624-089		C-TR, 2SA1162Y
	87-026-462-080		TR, 2SC1740S〈HM〉
	89-032-011-080		TR, 2SC2001K〈HM〉
	89-318-155-080		TR, 2SC1815GR〈HM〉
	89-318-154-080		TR, 2SC1815Y〈HM〉
	87-026-213-089		C-TR, DTC114YK T147
	89-113-188-089		TR, 2SA1318U〈HR, Z〉
	87-026-210-089		C-TR, DTC144EK T147
	89-332-654-089		C-TR, 2SC3265Y
	87-026-211-089		C-TR, DTA144EK T147
	89-333-266-089		C-TR, 2SC3326B
	89-212-923-019		TR, 2SB1292F
	89-213-702-019		TR, 2SB1370E
	89-332-665-089		TR, 2SC3266GR
DIODE			
	87-020-465-089		DIODE, 1SS133 T-72
	87-001-913-089		ZENER, UTZJ5.6B
	87-020-027-089		C-DIODE, 1SS184
	87-001-911-089		ZENER, UTZJ4.7A(TAPG)
	87-027-286-089		ZENER, HZ5C1
	87-020-125-089		C-DIODE, 1SS181
	87-020-583-080		ZENER, 02CZ5.1Y〈HR, Z〉
	87-027-332-089		ZENER, HZ6B1L〈HR, Z〉
	87-020-589-089		C-ZENER, 02CZ91Y
	87-020-591-089		C-ZENER, 02CZ11Y
	87-020-339-089		C-DIODE, 1SS226
	87-001-912-089		ZENER, UTZJ5.1B
	87-002-225-019		DIODE, DBF40C-K10
	87-027-347-089		ZENER, HZ182LT2
	87-001-820-010		DIODE, GP15B(F) 〈HR, Z〉
	87-001-783-080		DIODE, IN4002-T〈HM〉
	87-002-743-089		ZENER, MTZJ33B
	87-017-164-089		ZENER, HZS9A2L
MAIN C.B			
C9	87-010-374-089		CAP, E 47-10
C11	87-010-374-089		CAP, E 47-10
C12	87-010-318-089		C-CAP, S 47P-50 CH
C13	87-010-405-089		CAP, E 10-50 SME
C301	87-012-156-089		C-CAP, 220P CH
C302	87-012-156-089		C-CAP, 220P CH
C303	87-010-197-089		C-CAP, S 0.01-25 B
C304	87-010-197-089		C-CAP, S 0.01-25 B
C305	87-010-189-089		C-CAP, S 8200P-50 B
C306	87-010-189-089		C-CAP, S 8200P-50 B
C307	87-010-405-089		CAP, E 10-50 SME
C308	87-010-405-089		CAP, E 10-50 SME
C309	87-010-404-089		CAP, E 4.7-50 SME
C310	87-010-404-089		CAP, E 4.7-50 SME
C311	87-010-178-089		C-CAP, S 1000P-50 B
C312	87-010-178-089		C-CAP, S 1000P-50 B
C312	87-010-178-089		C-CAP, S 1000P-50 B
C312	87-010-178-089		C-CAP, S 1000P-50 B
C312	87-010-178-089		C-CAP, S 1000P-50 B
C313	87-012-140-089		C-CAP, S 470P-50 CH
C314	87-012-140-089		C-CAP, S 470P-50 CH
C315	87-010-185-089		C-CAP, S 3900P-50 B
C316	87-010-185-089		C-CAP, S 3900P-50 B
C317	87-010-184-089		C-CAP, S 3300P-50 B
C318	87-010-184-089		C-CAP, S 3300P-50 B
C319	87-010-180-089		C-CAP, S 1500P-50 B
C320	87-010-180-089		C-CAP, S 1500P-50 B
C321	87-012-154-089		C-CAP, S 150P-50 CH
C322	87-012-154-089		C-CAP, S 150P-50 CH
C323	87-010-182-089		C-CAP, S 2200P-50 B
C324	87-010-182-089		C-CAP, S 2200P-50 B
C325	87-010-402-089		CAP, E 2.2-50 SME
C326	87-010-402-089		CAP, E 2.2-50 SME
C327	87-012-156-089		C-CAP, 220P CH
C328	87-012-156-089		C-CAP, 220P CH
C329	87-010-374-089		CAP, E 47-10
C330	87-010-374-089		CAP, E 47-10
C351	87-010-260-089		CAP, E 47-25 SME
C352	87-010-371-089		CAP, E 470-6.3
C353	87-010-183-089		C-CAP, S 2700P-50 B
C354	87-010-183-089		C-CAP, S 2700P-50 B
C355	87-010-183-089		C-CAP, S 2700P-50 B
C356	87-010-197-089		C-CAP, S 0.01-25 B
C357	87-010-260-089		CAP, E 47-25 SME
C359	87-010-178-089		C-CAP, S 1000P-50 B
C360	87-010-405-089		CAP, E 10-50 SME
C501	87-010-401-089		CAP, E 1-50 SME
C502	87-010-401-089		CAP, E 1-50 SME
C503	87-012-140-089		C-CAP, S 470P-50 CH
C504	87-012-140-089		C-CAP, S 470P-50 CH

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C505	87-010-405-089		CAP, E 10-50 SME
C506	87-010-405-089		CAP, E 10-50 SME
C511	87-010-405-089		CAP, E 10-50 SME
C512	87-010-405-089		CAP, E 10-50 SME
C515	87-010-404-089		CAP, E 4.7-50 SME
C516	87-010-404-089		CAP, E 4.7-50 SME
C517	87-010-405-089		CAP, E 10-50 SME
C518	87-010-405-089		CAP, E 10-50 SME
C519	87-010-405-089		CAP, E 10-50 SME
C520	87-010-405-089		CAP, E 10-50 SME
C521	87-010-248-089		CAP, E 220-10 SME
C522	87-010-388-089		CAP, E 1000-25V SME
C523	87-010-260-089		CAP, E 47-25 SME
C531	87-010-401-089		CAP, E 1-50 SME
C532	87-010-401-089		CAP, E 1-50 SME
C535	87-010-263-089		CAP, E 100-10
C536	87-010-263-089		CAP, E 100-10
C537	87-010-260-089		CAP, E 47-25 SME
C538	87-010-374-089		CAP, E 47-10
C539	87-010-405-089		CAP, E 10-50 SME
C541	87-010-384-089		CAP, E 100-25 SME
C542	87-010-384-089		CAP, E 100-25 SME
C601	87-016-295-099		CAP, E 6800-30
C602	87-010-198-089		C-CAP, S 0.022-25 B
C603	87-010-198-089		C-CAP, S 0.022-25 B
C604	87-010-198-089		C-CAP, S 0.022-25 B
C605	87-010-198-089		C-CAP, S 0.022-25 B
C606	87-010-196-089		C-CAP, S 0.1-25 F
C607	87-010-198-089		C-CAP, S 0.022-25 B
C608	87-010-198-089		C-CAP, S 0.022-25 B
C609	87-010-780-499		CAP, E 6800-25V SMG
C610	87-010-405-089		CAP, E 10-50 SME
C611	87-010-260-089		CAP, E 47-25 SME
C612	87-010-247-089		CAP, E 100-50 SME
C613	87-010-403-089		CAP, E 3.3-50 SME
C614	87-010-197-089		C-CAP, S 0.01-25 B
C615	87-012-140-089		C-CAP, S 470P-50 CH
C616	87-010-384-089		CAP, E 100-25 SME
C617	87-010-381-089		CAP, E 330-16 SME
C701	87-010-405-089		CAP, E 10-50 SME
C702	87-010-405-089		CAP, E 10-50 SME
C703	87-010-194-089		C-CAP, S 0.047-25 F
C704	87-010-194-089		C-CAP, S 0.047-25 F
C705	87-010-176-089		C-CAP, S 680P-50 SL〈HM, HR〉
C706	87-010-176-089		C-CAP, S 680P-50 SL〈HM, HR〉
C707	87-015-954-089		CAP, E 10-16 LL
C708	87-015-954-089		CAP, E 10-16 LL
C709	87-010-260-089		CAP, E 47-25 SME
C710	87-010-371-089		CAP, E 470-6.3
C711	87-010-195-089		C-CAP, S 0.068-25 F
C712	87-010-195-089		C-CAP, S 0.068-25 F
C713	87-010-196-089		C-CAP, S 0.1-25 F
C714	87-010-196-089		C-CAP, S 0.1-25 F
C715	87-010-260-089		CAP, E 47-25 SME
C717	87-010-545-089		CAP, E 0.22-50 SME
C718	87-010-545-089		CAP, E 0.22-50 SME
C719	87-010-401-089		CAP, E 1-50 SME
C720	87-010-401-089		CAP, E 1-50 SME
C721	87-010-260-089		CAP, E 47-25 SME
C722	87-010-374-089		CAP, E 47-10
C725	87-010-993-089		C-CAP, S 0.056-25 B
C726	87-010-993-089		C-CAP, S 0.056-25 B
C727	87-010-322-089		C-CAP, S 100P-50 CH
C728	87-010-322-089		C-CAP, S 100P-50 CH
C729	87-010-183-089		C-CAP, S 2700P-50 B
C730	87-010-183-089		C-CAP, S 2700P-50 B
C731	87-010-186-089		C-CAP, S 4700P-50 B
C732	87-010-186-089		C-CAP, S 4700P-50 B
C733	87-010-197-089		C-CAP, S 0.01-25 B
C734	87-010-197-089		C-CAP, S 0.01-25 B
C735	87-010-197-089		C-CAP, S 0.01-25 B
C736	87-010-197-089		C-CAP, S 0.01-25 B
C737	87-010-401-089		CAP, E 1-50 SME
C738	87-010-401-089		CAP, E 1-50 SME
C741	87-010-193-089		C-CAP, S 0.033-25 F〈HM, HR〉
C742	87-010-193-089		C-CAP, S 0.033-25 F〈HM, HR〉
C743	87-010-220-089		C-CAP, S 0.018-25 B〈HM, HR〉
C744	87-010-374-089		CAP, E 47-10
C745	87-010-260-089		CAP, E 47-25 SME
C747	87-010-400-089		CAP, E 0.47-50 SME
C748	87-010-400-089		CAP, E 0.47-50 SME
C751	87-010-401-089		CAP, E 1-50 SME
C752	87-010-401-089		CAP, E 1-50 SME
C753	87-010-400-089		CAP, E 0.47-50 SME
C754	87-010-400-089		CAP, E 0.47-50 SME
C755	87-012-154-089		C-CAP, S 150P-50 CH
C756	87-012-154-089		C-CAP, S 150P-50 CH
C757	87-010-401-089		CAP, E 1-50 SME
C758	87-010-401-089		CAP, E 1-50 SME
C759	87-010-198-089		C-CAP, S 0.022-25 B
C760	87-010-198-089		C-CAP, S 0.022-25 B
C761	87-010-197-089		C-CAP, S 0.01-25 B
C762	87-010-197-089		C-CAP, S 0.01-25 B
C763	87-010-401-089		CAP, E 1-50 SME
C764	87-010-401-089		CAP, E 1-50 SME
C765	87-010-404-089		CAP, E 4.7-50 SME
C766	87-010-404-089		CAP, E 4.7-50 SME
C767	87-010-183-089		C-CAP, S 2700P-50 B
C768	87-010-183-089		C-CAP, S 2700P-50 B
C769	87-012-155-089		C-CAP, S 180P-50 CH
C770	87-012-155-089		C-CAP, S 180P-50 CH
C771	87-010-198-089		C-CAP, S 0.022-25 B
C772	87-010-198-089		C-CAP, S 0.022-25 B
C773	87-010-400-089		CAP, E 0.47-50 SME
C774	87-010-400-089		CAP, E 0.47-50 SME
C775	87-010-404-089		CAP, E 4.7-50 SME
C776	87-010-404-089		CAP, E 4.7-50 SME
C777	87-010-405-089		CAP, E 10-50 SME
C778	87-010-401-089		CAP, E 1-50 SME
C779	87-010-405-089		CAP, E 10-50 SME
C780	87-010-401-089		CAP, E 1-50 SME
C781	87-010-101-089		CAP, E 220-16 SME
C783	87-010-186-089		C-CAP, S 4700P-50 B
C784	87-010-186-089		C-CAP, S 4700P-50 B
C785	87-010-149-089		C-CAP, S 5P-50 CH
C786	87-010-149-089		C-CAP, S 5P-50 CH
C787	87-010-186-089		C-CAP, S 4700P-50 B
C788	87-012-154-089		C-CAP, S 150P-50 CH
C789	87-010-149-089		C-CAP, S 5P-50 CH
C790	87-010-805-089		C-CAP, S 1-16F
C791	87-010-374-089		CAP, E 47-10
C801	87-010-405-089		CAP, E 10-50 SME
C802	87-010-405-089		CAP, E 10-50 SME
C805	87-015-328-089		CAP, E 0.22-50 LL
C806	87-015-328-089		CAP, E 0.22-50 LL
C807	87-010-176-089		C-CAP, S 680P-50 SL
C808	87-010-176-089		C-CAP, S 680P-50 SL
C809	87-012-157-089		C-CAP, S 330P-50 CH
C810	87-012-157-089		C-CAP, S 330P-50 CH
C811	87-010-405-089		CAP, E 10-50 SME
C812	87-010-405-089		CAP, E 10-50 SME
C813	87-010-194-089		C-CAP, S 0.047-25 F
C814	87-010-194-089		C-CAP, S 0.047-25 F
C815	87-010-404-089		CAP, E 4.7-50 SME
C816	87-010-197-089		C-CAP, S 0.01-25 B
C817	87-012-140-089		C-CAP, S 470P-50 CH
C819	87-010-197-089		C-CAP, S 0.01-25 B
C901	89-663-815-089		CAP, TC 0.01〈Z〉
C902	89-663-815-089		CAP, TC 0.01〈Z〉
C903	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C904	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C905	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C906	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C909	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C910	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C913	87-010-174-089		C-CAP, S 470P-50 SL〈Z〉
C914	87-010-174-089		C-CAP, S 470P-50 SL〈Z〉
C915	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C916	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C917	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C918	87-010-166-089		C-CAP, S 100P-50 SL〈Z〉
C929	87-018-134-019		CAP, TC-U 0.01-16 Y〈Z〉
C930	87-010-197-089		C-CAP, S 0.01-25 B〈Z〉
C931	87-018-131-089		CAP, TC-U 1000P-50 B〈Z〉
C932	87-018-131-089		CAP, TC-U 1000P-50 B〈Z〉
FC401	83-CT2-635-019		FLAT CABLE, 3P MIC
FC601	83-CT2-621-019		FLAT CABLE, 8P PT
FC701	83-CT2-624-019		FLAT CABLE, 6P CD
J501	87-009-549-019		JACK, DIA 3.5
J701	87-009-393-019		JACK, PIN 2P EARTH
J702	87-099-404-019		JACK, PIN 2P
J901	87-033-205-019		TERMINAL, SP-4P
L301	82-231-622-089		COIL, 22MH-J
L302	82-231-622-089		COIL, 22MH-J
L303	82-CD1-639-019		COIL, OSC BIAS 85K
L901	81-NBW-655-019		COIL〈Z〉
L902	81-NBW-655-019		COIL〈Z〉
L903	81-NBW-655-019		COIL〈Z〉
L904	81-NBW-655-019		COIL〈Z〉
R503	87-025-469-089		RES NF2.2-1/4WJ
R504	87-025-469-089		RES NF2.2-1/4WJ
R505	87-025-469-089		RES NF2.2-1/4WJ
R506	87-025-469-089		RES NF2.2-1/4WJ
R507	87-022-184-089		RES METAL 0.33-1W
R508	87-022-184-089		RES METAL 0.33-1W

TUNER C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C1	87-010-312-089		C-CAP, S 15P-50 CH
C2	87-010-197-080		C-CAP, S 0.01-25 B〈HM〉
C3	87-010-197-089		C-CAP, S 0.01-25 B
C4	87-010-197-089		C-CAP, S 0.01-25 B
C5	87-010-197-089		C-CAP, S 0.01-25 B
C6	87-010-197-089		C-CAP, S 0.01-25 B
C7	87-010-147-089		C-CAP, S 3P-50 CH〈Z〉
C7	87-010-150-089		C-CAP, S 6P-50 CH〈HM, HR〉
C8	87-018-102-089		CAP, TC-U 6.8P-50 SL〈HM, HR〉
C9	87-010-158-089		C-CAP, S 22P-50 SL
C10	87-010-154-089		C-CAP, S 10P-50 CH
C11	87-010-312-089		C-CAP, S 15P-50 CH
C12	87-010-312-089		C-CAP, S 15P-50 CH
C13	87-010-197-089		C-CAP, S 0.01-25 B
C14	87-010-146-089		C-CAP, S 2P-50 CH
C15	87-010-145-089		C-CAP, S 1P-50 CH〈HM, HR〉
C15	87-010-148-089		C-CAP, S 4P-50 CH〈Z〉
C16	87-010-154-089		C-CAP, S 10P-50 CH〈HM, HR〉
C16	87-010-149-089		C-CAP, S 5P-50 CH〈Z〉
C17	87-010-197-089		C-CAP, S 0.01-25 B
C18	87-010-170-089		C-CAP, S 220P-50 SL
C19	87-010-197-089		C-CAP, S 0.01-25 B
C20	87-010-197-089		C-CAP, S 0.01-25 B
C21	87-010-197-089		C-CAP, S 0.01-25 B
C22	87-010-400-089		CAP, E 0.47-50 SME
C23	87-010-197-089		C-CAP, S 0.01-25 B
C24	87-010-149-089		C-CAP, S 5P-50 CH
C25	87-010-197-089		C-CAP, S 0.01-25 B〈HM, HR〉
C26	87-010-312-089		C-CAP, S 15P-50 CH
C27	87-010-197-089		C-CAP, S 0.01-25 B
C30	87-010-401-089		CAP, E 1-50 SME
C31	87-010-197-089		C-CAP, S 0.01-25 B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C32	87-010-197-089		C-CAP, S 0.01-25 B
C33	87-010-405-089		CAP, E 10-50 SME
C34	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C34	87-010-167-089		C-CAP, S 120P-50 SL〈HM, HR〉
C35	87-010-197-089		C-CAP, S 0.01-25 B
C36	87-010-401-089		CAP, E 1-50 SME
C37	87-010-404-089		CAP, E 4.7-50 SME
C38	87-010-405-089		CAP, E 10-50 SME
C39	87-010-544-089		CAP, E 0.1-50
C40	87-010-403-089		CAP, E 3.3-50 SME
C41	87-010-404-089		CAP, E 4.7-50 SME
C42	87-010-404-089		CAP, E 4.7-50 SME〈Z〉
C43	87-010-197-089		C-CAP, S 0.01-25 B
C45	87-010-404-089		CAP, E 4.7-50 SME
C46	87-010-197-089		C-CAP, S 0.01-25 B
C47	87-010-197-089		C-CAP, S 0.01-25 B
C48	87-010-197-089		C-CAP, S 0.01-25 B
C49	87-010-197-089		C-CAP, S 0.01-25 B
C50	87-010-197-089		C-CAP, S 0.01-25 B
C51	87-010-197-089		C-CAP, S 0.01-25 B
C52	87-010-197-089		C-CAP, S 0.01-25 B〈Z〉
C53	87-010-196-089		C-CAP, S 0.1-25 F〈HR, Z〉
C54	87-010-197-089		C-CAP, S 0.01-25 B〈Z〉
C55	87-014-049-089		CAP, PP 470P-100 J〈Z〉
C56	87-010-158-089		C-CAP, S 22P-50 SL〈Z〉
C56	87-010-152-089		C-CAP, S 8P-50 CH〈HR〉
C57	87-010-169-089		C-CAP, S 180P-50 SL〈Z〉
C58	87-014-050-089		CAP, PP 510P-100 J〈Z〉
C60	87-010-404-089		CAP, E 4.7-50 SME〈Z〉
C61	87-010-401-089		CAP, E 1-50 SME
C62	87-010-403-089		CAP, E 3.3-50 SME
C63	87-014-057-089		CAP, PP 1000P-100 J
C64	87-010-405-089		CAP, E 10-50 SME
C67	87-010-179-089		C-CAP, S 1200P-50 B
C68	87-010-179-089		C-CAP, S 1200P-50 B
C69	87-010-400-089		CAP, E 0.47-50 SME
C70	87-010-400-089		CAP, E 0.47-50 SME
C71	87-010-184-089		C-CAP, S 3300P-50 B
C72	87-010-184-089		C-CAP, S 3300P-50 B
C73	87-010-401-089		CAP, E 1-50 SME
C74	87-010-401-089		CAP, E 1-50 SME
C75	87-010-248-089		CAP, E 220-10 SME
C76	87-012-149-089		C-CAP, S 30P-50 CH〈HM, HR〉
C76	87-010-156-089		C-CAP, S 15P-50 SL〈Z〉
C77	87-010-197-089		C-CAP, S 0.01-25 B
C78	87-010-197-089		C-CAP, S 0.01-25 B
C79	87-010-197-089		C-CAP, S 0.01-25 B
C80	87-010-260-089		CAP, E 47-25 SME
C81	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C81	87-010-186-089		C-CAP, S 4700P-50 B〈HR, Z〉
C82	87-010-401-089		CAP, E 1-50 SME
C83	87-015-762-089		C-CAP, 68P SL
C84	87-010-164-089		C-CAP, S 68P-50 SL
C85	87-010-164-089		C-CAP, S 68P-50 SL
C86	87-018-134-089		CAP, TC-U 0.01-16 Y
C87	87-010-263-089		CAP, E 100-10
C89	87-010-263-089		CAP, E 100-10
C100	87-010-197-089		C-CAP, S 0.01-25 B
C101	87-010-197-089		C-CAP, S 0.01-25 B
C102	87-010-311-089		C-CAP, S 12P-50 CH〈Z〉
C103	87-010-311-089		C-CAP, S 12P-50 CH〈Z〉
C105	87-010-146-089		C-CAP, S 2P-50 CH〈HM, Z〉
C106	87-010-145-089		C-CAP, S 1P-50 CH〈Z〉
C150	87-010-197-089		C-CAP, S 0.01-25 B
C151	87-010-197-089		C-CAP, S 0.01-25 B
C152	87-010-263-089		CAP, E 100-10
C153	87-010-197-089		C-CAP, S 0.01-25 B
C154	87-010-263-089		CAP, E 100-10〈HR, Z〉
C154	87-010-384-080		CAP, E 100-25 SME〈HM〉
C173	87-010-156-089		C-CAP, S 15P-50 SL〈HR〉

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C175	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C176	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C177	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C178	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C179	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
C180	87-014-051-080		CAP, PP 560P-100 J〈HM〉
C181	87-014-073-080		CAP, PP 4700P-100 J〈HM〉
C182	87-010-313-080		C-CAP, S 18P-50 CH〈HM〉
C183	87-010-544-080		CAP, E 0.1-50〈HM〉
C184	87-010-186-080		C-CAP, S 4700P-50B〈HM〉
C185	87-012-150-080		C-CAP; S 20P-50 CH〈HM〉
C186	87-010-263-080		CAP, E 100-10〈HM〉
C200	87-010-167-080		C-CAP, S 120P-50 SL〈HM〉
C200	87-018-123-089		CAP, TC-U 220P-50 B〈HR, Z〉
C201	87-010-171-080		C-CAP, S 270P-50 SL〈HM〉
C230	87-010-263-080		CAP, E 100-10 SME〈HM〉
C231	87-012-158-080		C-CAP, S 390P-50 CH〈HM〉
C231	87-012-158-080		C-CAP, S 390P-50 CH〈HM〉
C233	87-018-111-080		CAP, TU-U 27P-50 SL〈HM〉
C240	87-010-159-080		C-CAP, S 27P-50 SL〈HM〉
C270	87-010-197-080		C-CAP, S 0.01-25B〈HM〉
CF1	87-030-105-010		FLTR, BPMB6A〈Z〉
CF2	82-794-670-019		BFU 450 C4N〈HM〉
CF2	82-799-621-019		CF MS2-A〈Z〉
CF3	87-008-261-019		FLTR, SFE10.7MA5-A
CF4	87-008-261-019		FLTR, SFE10.7MA5-A
CF5	82-794-670-019		BFU 450C4N
D1	87-026-360-089		C-VARICAP, KV1430
D2	87-026-360-089		C-VARICAP, KV1430
D3	87-026-360-089		C-VARICAP, KV1430
D6	87-017-568-089		VARI CAP SVC342〈HM〉
D6	81-754-634-019		VARI-CAP, KV1260〈Z〉
D7	87-026-360-089		C-VARICAP, KV1430〈Z〉
J1	81-631-646-019		ANT TERM 2P PAL〈Z〉
J1	87-033-214-019		ANT TERM 4P(JT)〈HM, HR〉
J2	81-754-629-019		CONNECTOR XH M 2P (UL)〈HM〉
L1	87-006-209-019		COIL, ANT FM 3/4 T
L2	87-006-210-019		COIL, ANT FM 2 3/4T
L3	87-006-200-019		COIL, RF FM 3-1/2T, L5
L4	87-006-209-019		COIL, ANT FM 3/4T〈HM〉
L4	87-006-201-019		COIL, RF FM3-1/2TS, L5〈HR, Z〉
L5	87-006-201-019		COIL, RF FM3-1/2TS, L5〈HM, Z〉
L6	87-006-205-019		COIL, OSC FM (7K)
L7	87-003-231-089		C-COIL, S1UH
L8	87-008-427-019		COIL, FMIFT (4T)
L9	81-631-611-019		COIL, QUAD (SINGLE)
L11	87-008-452-019		FILTER CFAZ-450
L12	87-006-207-019		COIL, ANT MW (3B)〈Z〉
L12	87-006-236-019		COIL, ANT MW (SG)〈HM〉
L13	87-006-208-019		COIL, ANT LW〈Z〉
L13	87-006-238-019		COIL, ANT SW2 (SG)〈HM〉
L14	82-006-237-019		COIL ANT SW1 (SG)〈HM〉
L14	82-794-687-019		COIL, OSC〈Z〉
L15	81-631-643-019		COIL, 1 POLE MPX
L16	81-631-643-019		COIL, 1 POLE MPX
L17	82-794-688-019		COIL, OSC LW〈Z〉
L17	82-007-326-019		COIL, OSC MW (SG)〈HM〉
L18	87-008-421-019		COIL, FILTER AMTI-BIRDIE〈Z〉
L18	87-007-328-019		COIL, OSC SW2 (SG)〈HM〉
L19	87-003-098-089		COIL, 2.2UH〈HR, Z〉
L19	87-007-327-019		COIL, OSC SW1 (SG)〈HM〉
L20	87-003-098-089		COIL, 2.2UH〈HM〉
L21	87-005-372-089		COIL, 1.UH〈HM〉
L22	87-005-372-089		COIL, 1.UH〈HM〉
SFR1	87-024-174-089		SFR, 33K DIA6 V〈HR, Z〉
SFR2	87-024-171-089		SFR, 4.7K DIA6 V
TC1	87-011-219-089		CAP, TRIMMER 10P VCT
TC2	87-011-219-089		CAP, TRIMMER 10P VCT
TC3	87-011-219-089		CAP, TRIMMER 10P VCT〈Z〉
TC4	87-011-220-089		CAP, TRIMMER 20P VCT〈HM, Z〉

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
TC5	87-011-221-089		TRIMMER, 30P VCT51
TC6	87-011-221-089		TRIMMER, 30P VCT51〈HM, Z〉
TC7	87-011-221-089		TRIMMER, 30P VCT51〈HM〉
TU101	80-MT3-632-019		AM PACK 1〈HR〉
X1	87-030-243-019		VIB, XTAL 7.2 MHZ〈HR〉
X1	87-030-163-019		VIB, XTAL 7.2MHZ(NDK)〈Z〉
X2	87-030-163-019		VIB, XTAL 7.2MHZ(NDK)〈HM〉

CD C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C1	87-010-178-089		C-CAP, S 1000P-50 B
C2	87-010-263-089		CAP, E 100-10
C3	87-010-265-089		CAP, E 33-16 SME
C6	87-010-198-089		C-CAP, S 0.022-25 B
C7	87-010-196-089		C-CAP, S 0.1-25 F
C10	87-010-182-089		C-CAP, S 2200P-50 B
C11	87-010-196-089		C-CAP, S 0.1-25 F
C12	87-010-196-089		C-CAP, S 0.1-25 F
C13	87-010-196-089		C-CAP, S 0.1-25 F
C14	87-010-404-089		CAP, E 4.7-50 SME
C15	87-010-193-089		C-CAP, S 0.033-25 F
C16	87-010-197-089		C-CAP, S 0.01-25 B
C17	87-010-263-089		CAP, E 100-10
C18	87-010-197-089		C-CAP, S 0.01-25 B
C19	87-010-402-089		CAP, E 2.2-50 SME
C20	87-010-265-089		CAP, E 33-16 SME
C21	87-010-263-089		CAP, E 100-10
C22	87-010-197-089		C-CAP, S 0.01-25 B
C23	87-010-193-089		C-CAP, S 0.033-25 F
C24	87-010-197-089		C-CAP, S 0.01-25 B
C25	87-010-193-089		C-CAP, S 0.033-25 F
C26	87-010-197-089		C-CAP, S 0.01-25 B
C28	87-010-196-089		C-CAP, S 0.1-25 F
C29	87-010-263-089		CAP, E 100-10
C30	87-010-992-089		C-CAP, S 0.047-25 B
C31	87-010-180-089		C-CAP, S 1500P-50 B
C32	87-010-263-089		CAP, E 100-10
C33	87-010-197-089		C-CAP, S 0.01-25 B
C34	87-012-156-089		C-CAP, 220P CH
C35	87-010-197-089		C-CAP, S 0.01-25 B
C36	87-010-404-089		CAP, E 4.7-50 SME
C37	87-010-197-089		C-CAP, S 0.01-25 B
C38	87-010-312-089		C-CAP, S 15P-50 CH
C39	87-010-312-089		C-CAP, S 15P-50 CH
C43	87-010-318-089		C-CAP, S 47P-50 CH
C44	87-010-318-089		C-CAP, S 47P-50 CH
C45	87-010-318-089		C-CAP, S 47P-50 CH
C46	87-010-318-089		C-CAP, S 47P-50 CH
C47	87-010-318-089		C-CAP, S 47P-50 CH
C48	87-010-318-089		C-CAP, S 47P-50 CH
C49	87-010-197-089		C-CAP, S 0.01-25 B
C50	87-010-248-089		CAP, E 220-10 SME
C51	87-010-405-089		CAP, E 10-50 SME
C52	87-010-405-089		CAP, E 10-50 SME
C53	87-010-428-089		C-CAP, S 0.015-25 B
C54	87-010-428-089		C-CAP, S 0.015-25 B
C55	87-010-178-089		C-CAP, S 1000P-50 B
C56	87-010-178-089		C-CAP, S 1000P-50 B
C57	87-010-404-089		CAP, E 4.7-50 SME
C58	87-010-196-089		C-CAP, S 0.1-25 F
C59	87-010-221-089		CAP, E 470-10
C60	87-010-197-089		C-CAP, S 0.01-25 B
C61	87-010-196-089		C-CAP, S 0.1-25 F
C62	87-010-194-089		C-CAP, S 0.047-25 F
C64	87-010-196-089		C-CAP, S 0.1-25 F
C65	87-010-197-089		C-CAP, S 0.01-25 B
C66	87-010-221-089		CAP, E 470-10
C67	87-010-196-089		C-CAP, S 0.1-25 F
C68	87-010-196-089		C-CAP, S 0.1-25 F
C69	87-010-197-089		C-CAP, S 0.01-25 B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C70	87-010-384-089		CAP, E 100-25 SME
C71	87-010-197-089		C-CAP, S 0. 01-25 B
C72	87-010-221-089		CAP, E 470-10
C75	87-010-196-089		C-CAP, S 0. 1-25 F
C76	87-010-248-089		CAP, E 220-10 SME
C77	87-010-197-089		C-CAP, S 0. 01-25 B
C78	87-010-197-089		C-CAP, S 0. 01-25 B
C79	87-010-197-089		C-CAP, S 0. 01-25 B
C80	87-010-263-089		CAP, E 100-10
C81	87-010-197-089		C-CAP, S 0. 01-25 B
C82	87-010-197-089		C-CAP, S 0. 01-25 B
L1	87-003-102-089		COIL, 10UH
SFR1	87-024-176-089		SFR, 100K DIA6 V
SFR2	87-024-175-089		SFR, 47K DIA6 V
SFR3	87-024-173-089		SFR, 22K DIA6 V
X1	81-592-641-089		CERALOCK 16. 93MX

DISPLAY C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C1	87-010-263-089		CAP, E 100-10
C2	87-010-401-089		CAP, E 1-50 SME
C3	87-010-071-089		CAP, E 1-50 5L
C4	87-015-835-089		C-CAP, 0. 047 D
C8	87-010-197-089		C-CAP, S 0. 01-25 B
C15	87-010-179-089		C-CAP, S 1200P-50 B
C16	87-012-358-080		C-CAP, S 0. 47-10FZ
C17	87-010-264-089		CAP, E 100-10 5L
C18	87-010-179-089		C-CAP, S 1200P-50 B
C19	87-018-208-089		CAP, TC-U 0. 047-50 F
C21	87-015-688-089		CAP, E 4. 7-35 7L
C919	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C920	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C924	87-018-134-089		CAP, TC-U 0. 01-16 Y〈Z〉
C925	87-018-134-089		CAP, TC-U 0. 01-16 Y〈Z〉
C926	87-018-134-089		CAP, TC-U 0. 01-16 Y〈Z〉
FC1	83-CT2-625-019		CABLE, FFC 1. 25-10P
FL1	83-CT2-601-019		FL, BJ184GK
J1	87-009-216-019		JACK, DIA 3. 5 STS
L1	87-003-105-089		COIL, 0. 22UH
LED1	87-017-369-080		LED, SEL2510C TP-6
LED2	87-017-369-080		LED, SEL2510C TP-6
LED3	87-017-369-080		LED, SEL2510C TP-6
LED4	87-017-369-080		LED, SEL2510C TP-6
LED5	87-017-369-080		LED, SEL2510C TP-6
LED6	87-017-369-080		LED, SEL2510C TP-6
LED7	87-017-369-080		LED, SEL2510C TP-6
LED8	87-017-369-080		LED, SEL2510C TP-6
LED9	87-017-369-080		LED, SEL2510C TP-6
LED10	87-017-369-080		LED, SEL2510C TP-6
LED11	89-VW5-607-089		LED, SLH-38VC, 70F-90
SW1	87-036-170-089		SW, TACT
SW2	87-036-170-089		SW, TACT
SW3	87-036-170-089		SW, TACT
SW4	87-036-170-089		SW, TACT
SW5	87-036-170-089		SW, TACT
SW6	87-036-170-089		SW, TACT
SW7	87-036-170-089		SW, TACT
SW8	87-036-170-089		SW, TACT
SW9	87-036-170-089		SW, TACT
SW10	87-036-170-089		SW, TACT
SW11	87-036-170-089		SW, TACT
SW12	87-036-170-089		SW, TACT
SW13	87-036-170-089		SW, TACT
SW14	87-036-170-089		SW, TACT
SW15	87-036-170-089		SW, TACT
SW16	87-036-170-089		SW, TACT
SW17	87-036-170-089		SW, TACT
SW18	87-036-170-089		SW, TACT
X1	87-030-233-089		VIB, CER KBR 4. 19MKS

REF. NO	PART NO.	カンリ NO.	DESCRIPTION

HP C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C20	87-010-263-089		CAP, E 100-10
C921	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C922	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
C923	87-015-819-089		C-CAP, 0. 01〈Z〉

SW D/C C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
FC20	83-CT2-627-019		FLAT CABLE, 2P D/C
SW20	87-036-252-019		SW, PUSH SPPB 51

SW D/0 C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
FC19	83-CT2-626-019		FLAT CABLE, 2P D/0
SW19	87-036-252-019		SW, PUSH SPPB 51

CD GND C. B

POWER C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
⚠	87-033-213-089		CLAMP FUSE SMK
⚠ F601	87-035-192-019		FUSE(E, K)4A
⚠ F602	87-035-192-019		FUSE(E, K)4A
⚠ PT601	83-CT2-617-019		PT, E〈HM, Z〉
⚠ PT601	83-CT2-619-019		PT, H〈HR〉
⚠ SW601	87-036-229-019		SW, SL DP3C RA〈HM, HR〉

MIC C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C401	87-010-182-089		C-CAP, S 2200P-50 B
C403	87-012-154-089		C-CAP, S 150P-50 CH
C404	87-010-401-089		CAP, E 1-50 SME
C405	87-010-545-089		CAP, E 0. 22-50 SME
C406	87-010-178-089		C-CAP, S 1000P-50 B
C407	87-010-401-089		CAP, E 1-50 SME
C408	87-010-260-089		CAP, E 47-25 SME
C409	87-010-248-089		CAP, E 220-10 SME
C410	87-010-193-089		C-CAP, S 0. 033-25 F〈HM, HR〉
C411	87-010-175-089		C-CAP, S 560P-50 SL〈HM, HR〉
C412	87-010-187-089		C-CAP, S 5600P-50 B〈HM, HR〉
C413	87-010-196-089		C-CAP, S 0. 1-25 F〈HM, HR〉
C414	87-010-260-089		CAP, E 47-25 SME〈HM, HR〉
C415	87-010-196-089		C-CAP, S 0. 1-25 F〈HM, HR〉
C416	87-010-196-089		C-CAP, S 0. 1-25 F〈HM, HR〉
C417	87-010-196-089		C-CAP, S 0. 1-25 F〈HM, HR〉
C418	87-010-187-089		C-CAP, S 5600P-50 B〈HM, HR〉
C419	87-010-175-089		C-CAP, S 560P-50 SL〈HM, HR〉
C420	87-010-401-089		CAP, E 1-50 SME〈HM, HR〉
C421	87-010-197-089		C-CAP, S 0. 01-25 B〈HM, HR〉
C423	87-010-263-089		CAP, E 100-10〈HM, HR〉
C424	87-010-196-089		C-CAP, S 0. 1-25 F〈HM, HR〉
C425	87-010-322-089		C-CAP, S 100P-50 CH〈HM, HR〉
C426	87-010-322-089		C-CAP, S 100P-50 CH〈HM, HR〉
C431	87-010-405-089		CAP, E 10-50 SME
C927	87-010-178-089		C-CAP, S 1000P-50 B〈Z〉
J401	87-009-216-019		JACK, DIA 3. 5 STS
VR601	87-024-618-019		VR, 10KA RK09K111
VR602	87-024-619-019		VR, 10KB RK09K111〈HM, HR〉
X401	87-030-211-089		VIB, CER KBR-2. 0MS〈HM, HR〉

TAPE-2 C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SFR1	87-024-581-010		SFR, 3. 3K DIA 6H KOA
SOL2	82-ZM1-618-310		SOL ASSY, 27
SW1	87-036-110-010		SW, PUSH SPPB 62
SW2	87-036-110-010		SW, PUSH SPPB 62
SW3	87-036-110-010		SW, PUSH SPPB 62
SW4	87-036-110-010		SW, PUSH SPPB 62
SW5	87-036-110-010		SW, PUSH SPPB 62

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SW6	87-036-110-010		SW, PUSH SPPB 62

RELAY-2 C. B

MOTOR-1 C. B

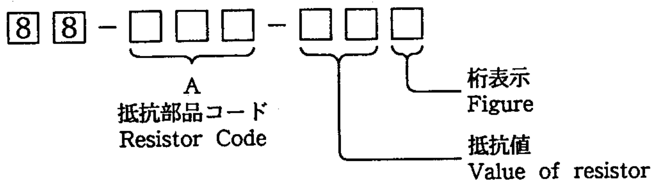
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
M1	9X-262-513-210		SLED MOTOR ASSY
PIN3	91-564-722-110		CONNCTOR 6P
SW001	91-572-085-110		LEAF SW

MOTOR-2 C. B

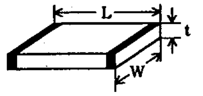
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
M3	9X-262-511-710		LOUDING MOTOR ASSY
PN2	91-564-721-110		CONNECTOR 5P

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

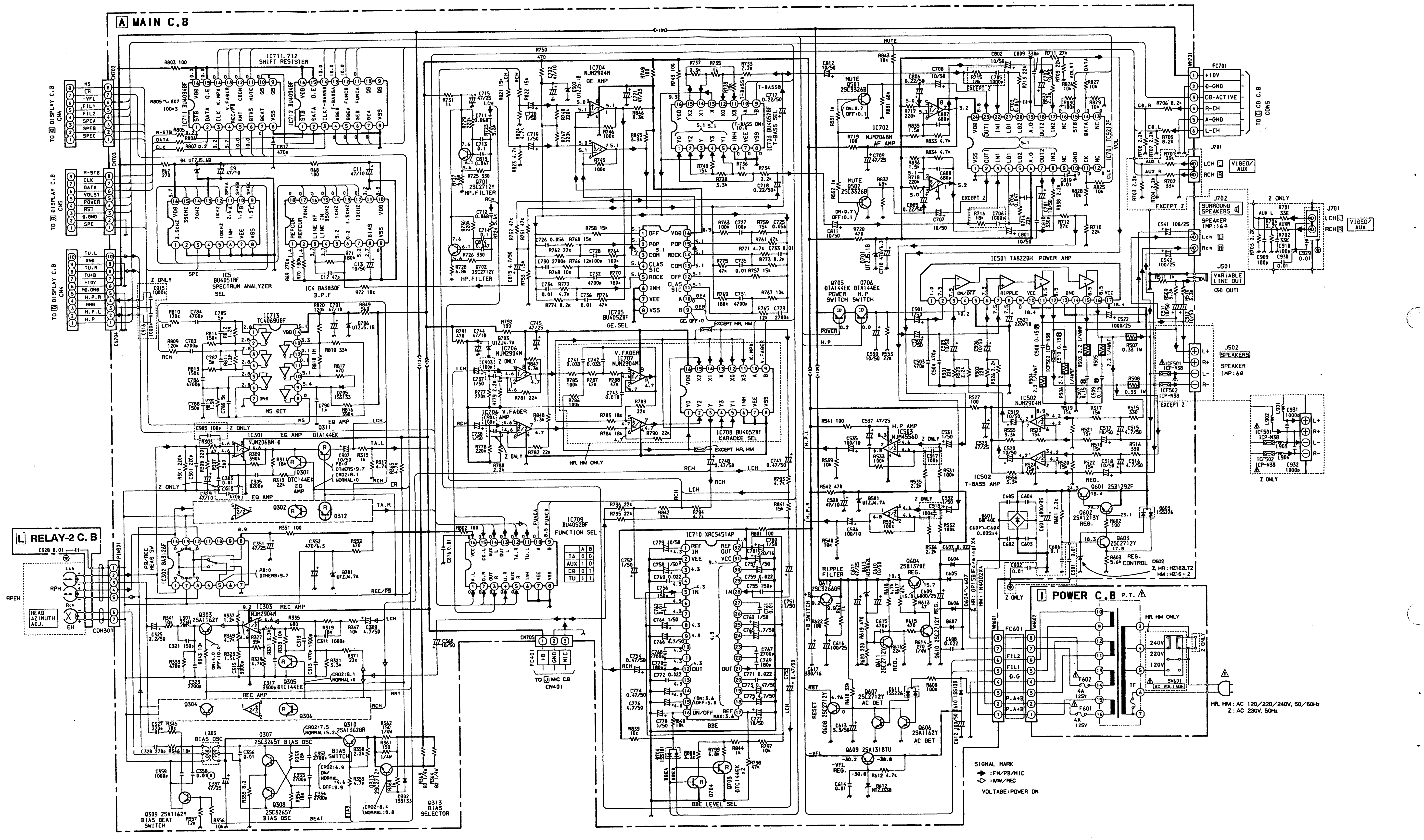
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

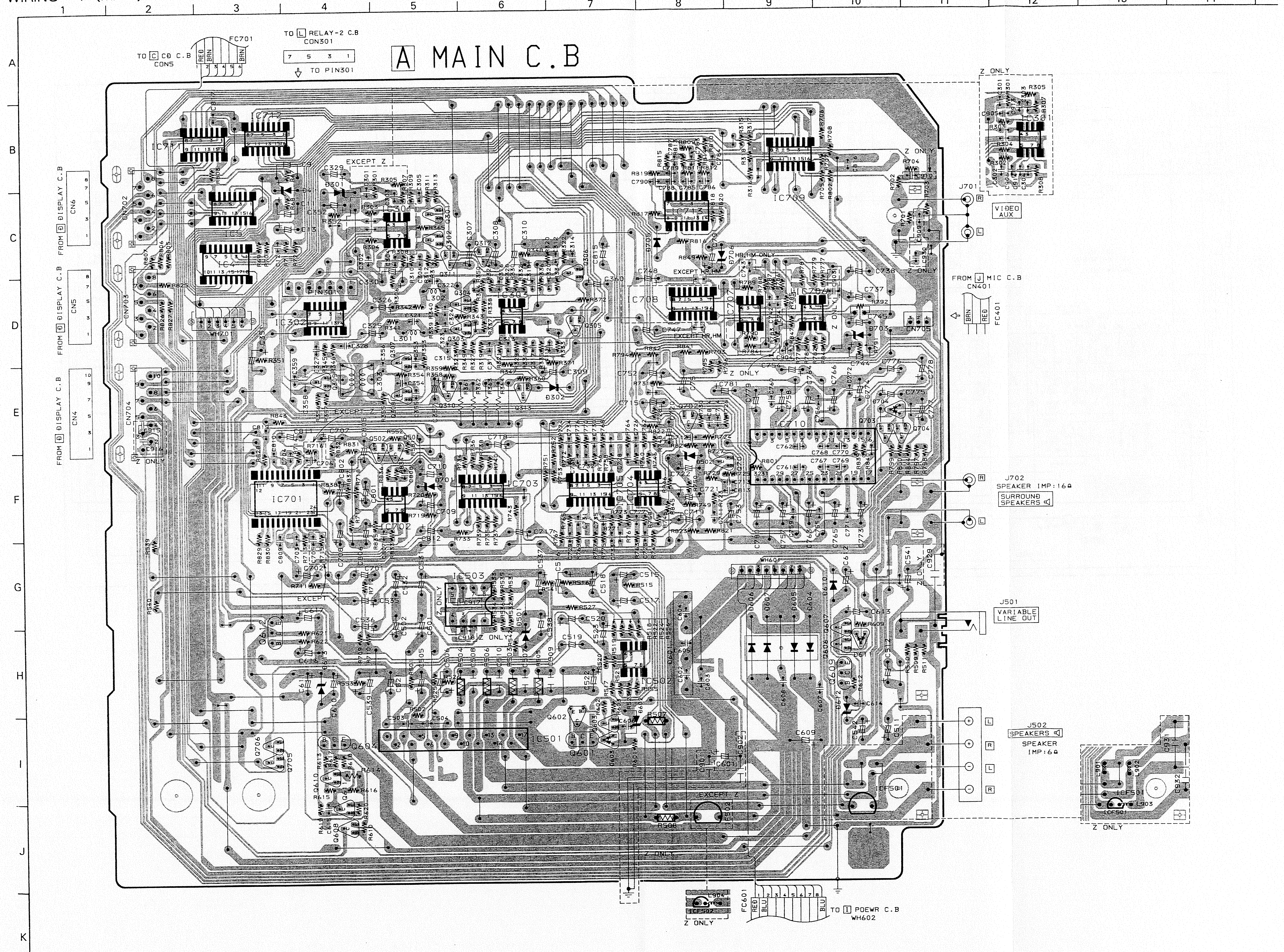
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法（mm） Form/外形	L	W	t	Resistor Code：A 抵抗コード：A
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3126	±5%	CJ		3.2	1.6	0.5 ~0.7	128

SCHEMATIC DIAGRAM – 1 (MAIN)


A MAIN C.B
L RELAY-2 C.B
I POWER C.B
TO D DISPLAY C.B CN6
TO D DISPLAY C.B CN5
TO D DISPLAY C.B CN4
TO C CD C.B CON5
TO J MIC C.B CN401
IC711, 712 SHIFT RESISTER
IC5 BU4051BF SPECTRUM ANALYZER SEL
IC4 BA3830F B.P.F
IC713 TC4069UBF
MS DET
IC704 NJM2904M GE AMP
IC705 BU4052BF GE. SEL
IC703 BU4052BF T-BASS SEL
IC702 NJM2068M AF AMP
IC701 TC9212F VOL
IC501 TA8220H POWER AMP
IC502 NJM2904M T-BASS AMP
IC503 NJM4556D H.P AMP
IC706 NJM2904M V.FADER
IC707 NJM2904M V.FADER
IC708 BU4052BF KARAOKE SEL
IC709 BU4052BF FUNCTION SEL
IC710 XRC5451AP BBE
BBE LEVEL SEL
IC301 NJM2068M-D EQ AMP
IC302 BA3126F
IC303 NJM2904M REC AMP
Q701 2SC2712Y HP.FILTER
Q702 2SC2712Y HP.FILTER
MUTE Q501 2SC3326B
MUTE Q502 2SC3326B
Q705 DTA144EK POWER SWITCH
Q706 DTA144EK H.P SWITCH
Q601 2SB1292F
Q602 2SA1213Y REG.
Q603 2SC2712Y
Q604 2SB1370E REG.
Q606 2SA1162Y AC DET
Q607 2SC2712Y AC DET
Q608 2SC2712Y RESET
Q609 2SA1318TU
Q610 2SC2712Y
Q612 2SC3266R +B SWITCH
Q307 2SC3265Y BIAS OSC
Q308 2SC3265Y BIAS OSC
Q309 2SA1162Y BIAS BEAT SWITCH
Q313 BIAS SELECTOR
HEAD AZIMUTH ADJ.
PB/REC HEAD
RIPPLE FILTER
FC701
+10V
D-GND
CD-ACTIVE
R-CH
A-GND
L-CH
J701 VIDEO/AUX
J702 SURROUND SPEAKERS SPEAKER IMP:16Ω
J501 VARIABLE LINE OUT (30 OUT)
J502 SPEAKERS SPEAKER IMP:6Ω
EXCEPT Z
Z ONLY
HR, HM ONLY
EXCEPT HR, HM
SW601 AC VOLTAGE
240V
220V
120V
HR, HM : AC 120/220/240V, 50/60Hz
Z : AC 230V, 50Hz
SIGNAL MARK
:FM/PB/MIC
:MW/REC
VOLTAGE:POWER ON

2

WIRING – 1 (MAIN)



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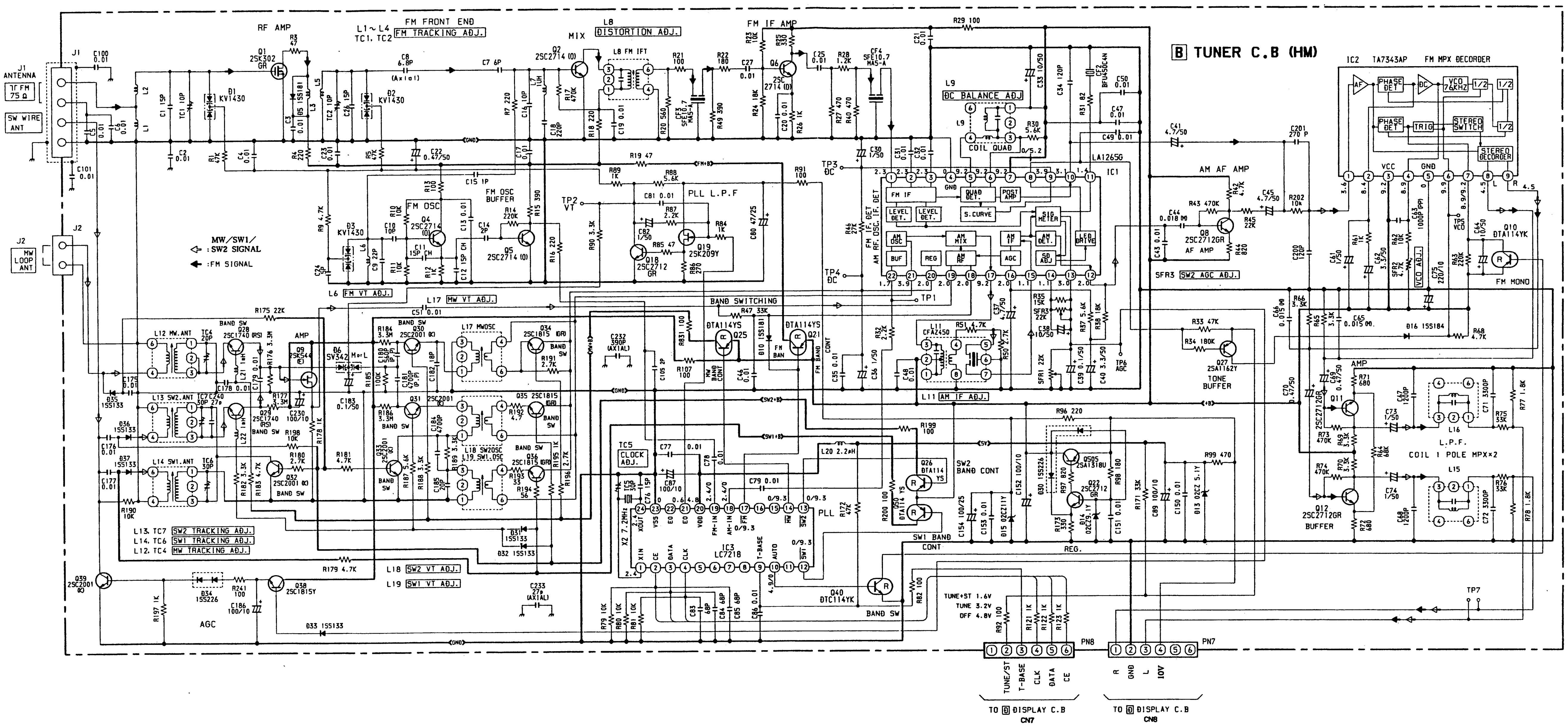
A
B
C
D
E
F
G
H
I
J
K
A MAIN C.B
TO C CD C.B CON5
FC701
RED
BRN
TO L RELAY-2 C.B CON301
7 5 3 1
TO PIN301
FROM D DISPLAY C.B CN6
FROM D DISPLAY C.B CN5
FROM D DISPLAY C.B CN4
CN702
CN703
CN704
WH701
IC711
IC712
IC3
IC4
IC5
IC301
IC302
IC303
IC304
IC501
IC502
IC503
IC701
IC702
IC703
IC704
IC705
IC707
IC708
IC709
IC710
IC713
EXCEPT Z
Z ONLY
EXCEPT HR, HM
HR, HM ONLY
PIN301
J701
VIDEO AUX
FROM J MIC C.B CN401
FC401
CN705
J702
SPEAKER IMP: 16Ω
SURROUND SPEAKERS
J501
VARIABLE LINE OUT
WH601
J502
SPEAKERS
SPEAKER IMP: 6Ω
ICF501
ICF502
L901
L902
L903
L904
C931
C932
FC601
RED
BLU
TO I POEWR C.B WH602
R508
R502

AIWA-01159 / DRUCK 5

SCHEMATIC DIAGRAM – 2 (TUNER) < HM >

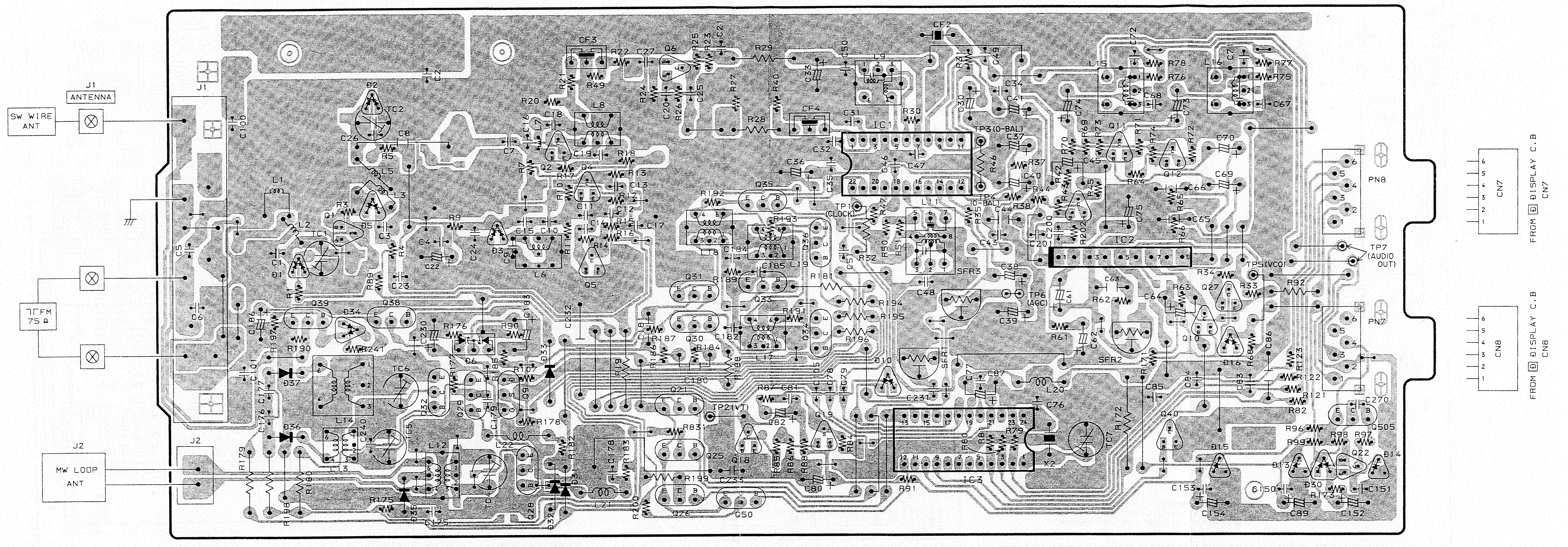

B TUNER C.B (HM)
J1 ANTENNA
FM 75 Ω
SW WIRE ANT
J2 MW LOOP ANT
RF AMP
Q1 2SK302 GR
L1~L4 TC1, TC2 FM TRACKING ADJ.
FM FRONT END
MIX
Q2 2SC2714 (O)
L8 DISTORTION ADJ.
L8 FM IFT
FM IF AMP
Q6 2SC2714 (O)
CF4 SFE10.7 MA5-A
CF3 SFE10.7 MA5-A
L9 DC BALANCE ADJ
COIL QUAD
IC1 LA1265G
FM OSC
Q4 2SC2714 (O)
FM OSC BUFFER
Q5 2SC2714 (O)
TP2 VT
PLL L.P.F
Q18 2SC2712 GR
Q19 2SK209Y
TP3 DC
TP4 DC
TP1
MW/SW1/ :SW2 SIGNAL
:FM SIGNAL
L6 FM VT ADJ.
L17 MW VT ADJ.
L12 MW.ANT
L13 SW2.ANT
L14 SW1.ANT
Q9 2SK544 (E)
AMP
Q28 2SC1740 (RS)
Q29 2SC1740 (RS)
Q30 2SC2001 (O)
Q31 2SC2001 (O)
Q32 2SC2001 (O)
Q34 2SC1815 (GR)
Q35 2SC1815 (GR)
Q36 2SC1815 (GR)
L17 MWOSC
L18 SW2OSC
L19 SW1.OSC
BAND SW
BAND SWITCHING
Q21 DTA114YS
Q25 DTA114YS
L11 AM IF ADJ.
CF2 CFA2450
SFR3 SW2 AGC ADJ.
AM AF AMP
Q8 2SC2712GR AF AMP
Q27 2SA1162Y TONE BUFFER
IC2 TA7343AP FM MPX DECORDER
PHASE DET
VCO 76KHz
STEREO SWITCH
STEREO DECORDER
TRIG
Q10 DTA114YK
FM MONO
Q11 2SC2712GR AMP
Q12 2SC2712GR BUFFER
L16 L15 L.P.F. COIL 1 POLE MPX×2
TC5 CLOCK ADJ.
X2 7.2MHz
IC3 LC7218 PLL
Q26 DTA114YS
SW2 BAND CONT
SW1 BAND CONT
Q505 2SA1318U
Q23 2SC2712GR
REG.
Q40 DTC114YK
BAND SW
Q38 2SC1815Y
Q39 2SC2001 (O)
AGC
L13, TC7 SW2 TRACKING ADJ.
L14, TC6 SW1 TRACKING ADJ.
L12, TC4 MW TRACKING ADJ.
L18 SW2 VT ADJ.
L19 SW1 VT ADJ.
TUNE•ST 1.6V
TUNE 3.2V
OFF 4.8V
PN8
PN7
TUNE/ST
T-BASE
CLK
DATA
CE
R
GND
L
10V
TO B DISPLAY C.B CN7
TO B DISPLAY C.B CN8
TP7

2

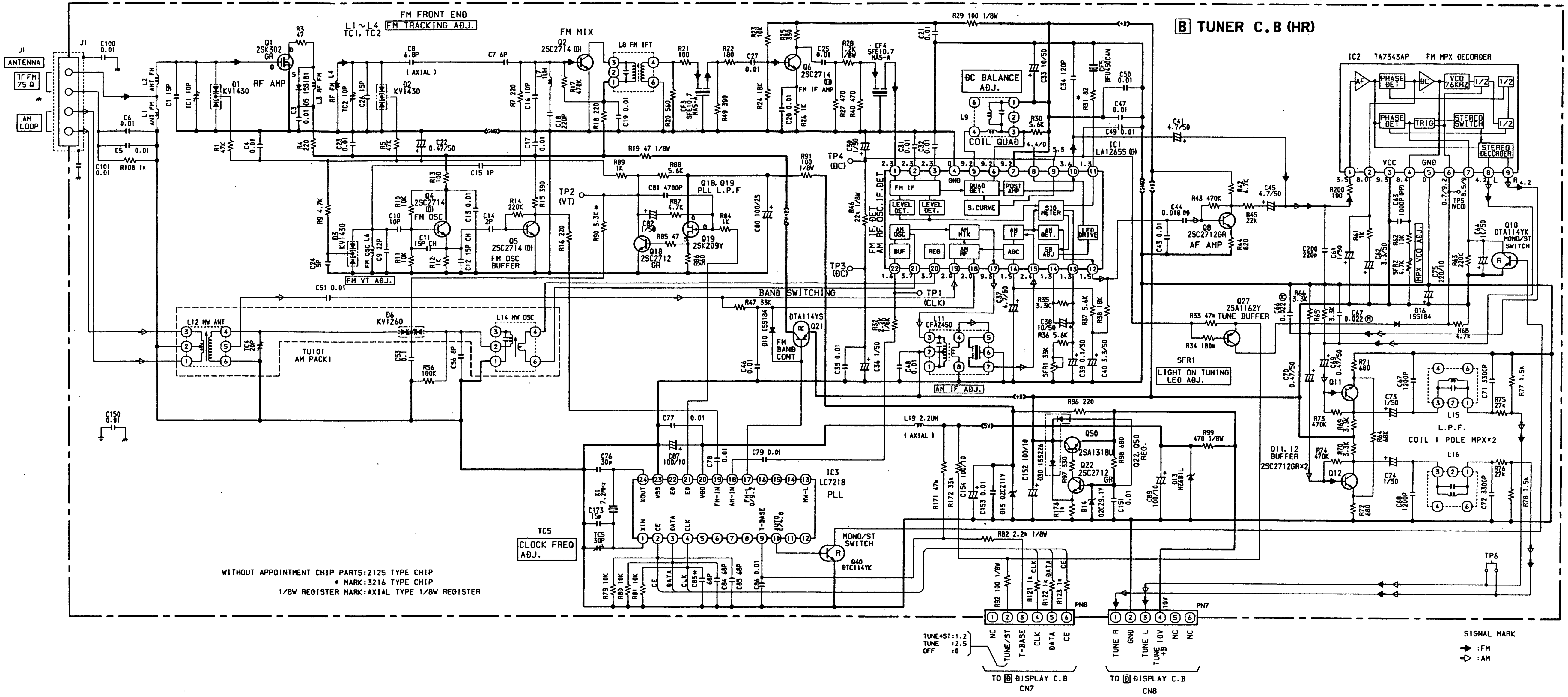
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J K

B TUNER C.B (HM)


J1
ANTENNA
SW WIRE ANT
FM 75 Ω
J2
MW LOOP ANT
IC1
IC2
IC3
TP1 (CLOCK)
TP2(VT)
TP3(0-BAL)
TP4 (0-BAL)
TP5(VCO)
TP6 (AGC)
TP7 (AUDIO OUT)
CF2
CF3
CF4
SFR1
SFR2
SFR3
X2
PN7
PN8
CN7
CN8
FROM D DISPLAY C.B CN7
FROM D DISPLAY C.B CN8

SCHEMATIC DIAGRAM – 3 (TUNER) < HR >



B TUNER C.B (HR)
FM FRONT END
L1~L4 TC1, TC2 FM TRACKING ADJ.
J1 ANTENNA
FM 75 Ω
AM LOOP
Q1 2SK302 GR
RF AMP
D1 KV1430
D2 KV1430
FM MIX
Q2 2SC2714 (O)
L8 FM IFT
Q6 2SC2714 (O)
FM IF AMP
CF4 SFE10.7 MA5-A
CF3 SFE10.7 MA5-A
CF5 BFU450C4N
DC BALANCE ADJ.
L9
COIL QUAD
IC1 LA1265S (G)
Q4 2SC2714 (O)
FM OSC
Q5 2SC2714 (O)
FM OSC BUFFER
D3 KV1430
FM VT ADJ.
TP2 (VT)
Q18, Q19 PLL L.P.F
Q18 2SC2712 GR
Q19 2SK209Y
TP4 (DC)
TP3 (DC)
TP1 (CLK)
BAND SWITCHING
FM BAND CONT
Q21 DTA114YS
L12 MW ANT
TU101 AM PACK1
D6 KV1260
L14 MW OSC
L11 CFA2450
AM IF ADJ.
FM IF
LEVEL DET.
QUAD DET.
POST AMP
S.CURVE
S/D METER
LED DRIVE
AM OSC
AM MIX
AM IF
AM DET.
BUF
REG
AF AMP
AGC
IC2 TA7343AP FM MPX DECORDER
AF
PHASE DET
DC
VCO 76KHz
1/2
TRIG
STEREO SWITCH
STEREO DECORDER
VCC
GND
TP5 (VCO)
MPX VCO ADJ.
Q8 2SC2712GR AF AMP
Q10 DTA114YK MONO/ST SWITCH
Q27 2SA1162Y TUNE BUFFER
SFR1 LIGHT ON TUNING LED ADJ.
D16 1SS184
Q11, 12 BUFFER 2SC2712GR×2
L15
L.P.F. COIL 1 POLE MPX×2
L16
IC3 LC7218 PLL
XOUT VSS EO EO VDD FM-IN AM-IN FM-L MW-L
XIN CE DATA CLK T-BASE AUTO 8
X1 7.2MHz
TC5 CLOCK FREQ ADJ.
Q40 DTC114YK MONO/ST SWITCH
L19 2.2UH (AXIAL)
Q50 2SA1318U
Q22 2SC2712 GR
Q22, Q50 REG.
D13 HZ6B1L
TP6
PN8
NC TUNE/ST T-BASE CLK DATA CE
TUNE+ST: 1.2
TUNE : 2.5
OFF : 0
TO D DISPLAY C.B CN7
PN7
TUNE R GND TUNE L TUNE +B 10V NC NC
TO D DISPLAY C.B CN8

WITHOUT APPOINTMENT CHIP PARTS:2125 TYPE CHIP
* MARK:3216 TYPE CHIP
1/8W REGISTER MARK:AXIAL TYPE 1/8W REGISTER

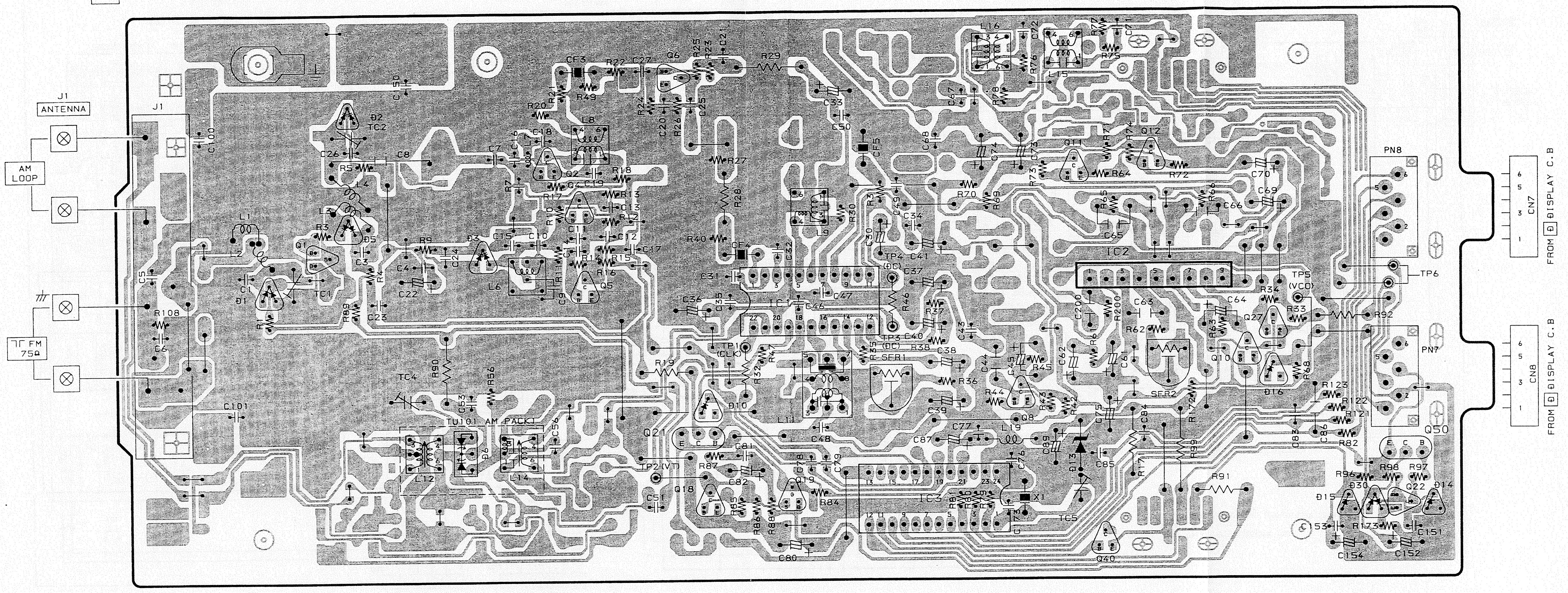
SIGNAL MARK
➔ :FM
⇾ :AM

2

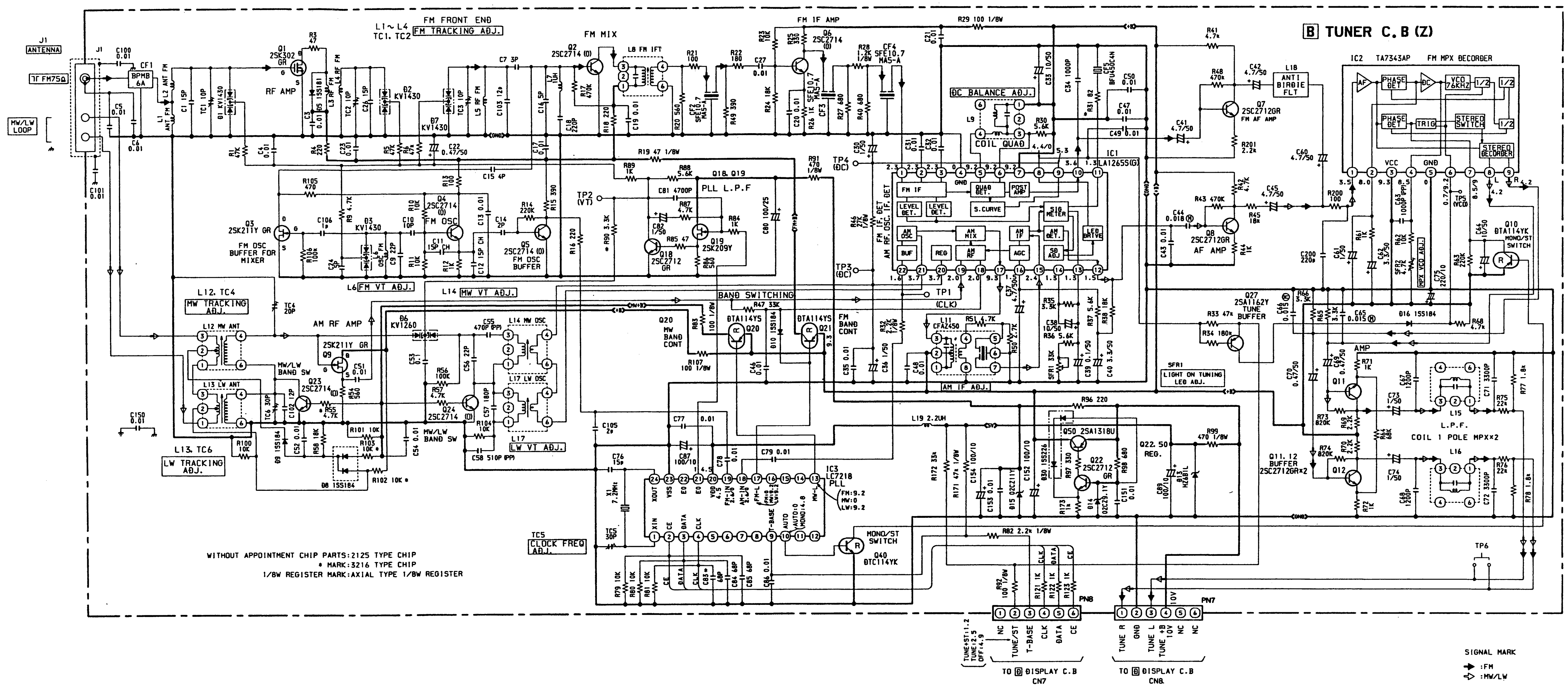
1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J K

B TUNER C.B (HR)


J1
ANTENNA
AM LOOP
FM 75Ω
CN7
CN8
FROM D DISPLAY C.B
FROM D DISPLAY C.B
PN7
PN8
TP1 (CLK)
TP2 (VT)
TP3 (DC)
TP4 (DC)
TP5 (VCO)
TP6
IC1
IC2
IC3
TU101 AM PACK
SFR1
SFR2
X1
TC1
TC2
TC4
TC5
Q50

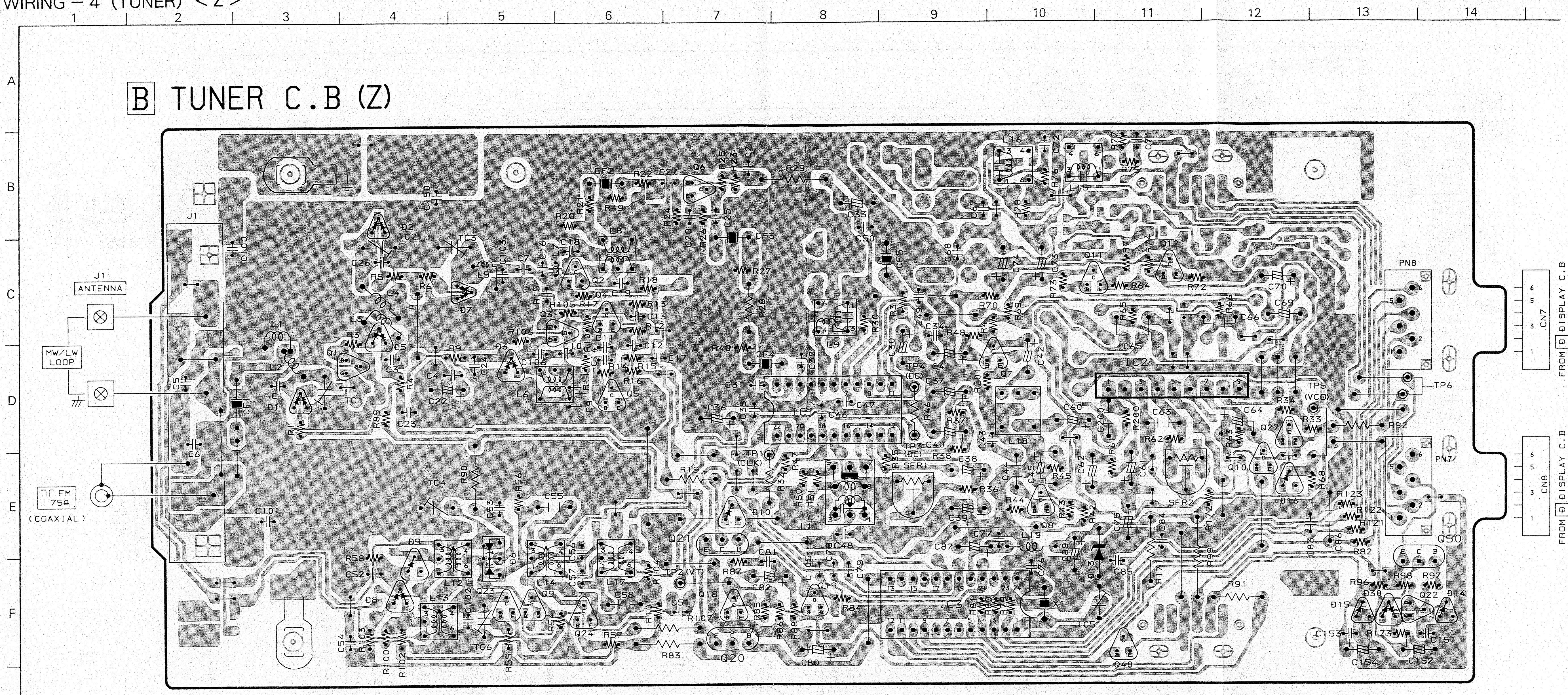
SCHEMATIC DIAGRAM – 4 (TUNER) < Z >


B TUNER C.B (Z)
J1
ANTENNA
FM75Ω
MW/LW LOOP
FM FRONT END
L1～L4 TC1, TC2 FM TRACKING ADJ.
FM MIX
RF AMP
Q1 2SK302 GR
Q2 2SC2714 (O)
L8 FM IFT
FM IF AMP
Q6 2SC2714
CF4 SFE10.7 MA5-A
DC BALANCE ADJ.
COIL QUAD
IC1 LA1265S(G)
FM IF
QUAD DET.
POST AMP
LEVEL DET.
S.CURVE
SIG METER
AM OSC
AM MIX
AM IF
AM DET.
LED DRIVE
BUF
REG
AM RF
AGC
SD ADJ
Q7 2SC2712GR FM AF AMP
L18 ANTI BIRDIE FLT
IC2 TA7343AP FM MPX DECORDER
AF
PHASE DET
DC
VCO 76KHz
1/2
TRIG
STEREO SWITCH
STEREO DECORDER
VCC
GND
Q8 2SC2712GR AF AMP
Q10 DTA114YK MONO/ST SWITCH
Q3 2SK211Y GR
FM OSC BUFFER FOR MIXER
Q4 2SC2714 (O)
FM OSC
Q5 2SC2714 (O) FM OSC BUFFER
TP2 (VT)
PLL L.P.F
Q18, Q19
Q18 2SC2712 GR
Q19 2SK209Y
TP4 (DC)
TP3 (DC)
TP1 (CLK)
L6 FM VT ADJ.
L14 MW VT ADJ.
L12, TC4 MW TRACKING ADJ.
L12 MW ANT
L13 LW ANT
AM RF AMP
2SK211Y GR Q9
MW/LW BAND SW
Q23 2SC2714 (O)
D6 KV1260
L14 MW OSC
L17 LW OSC
Q24 2SC2714 (O)
MW/LW BAND SW
L17 LW VT ADJ.
L13, TC6 LW TRACKING ADJ.
BAND SWITCHING
Q20 MW BAND CONT
DTA114YS Q20
DTA114YS Q21
FM BAND CONT
L11 CFA2450
AM IF ADJ.
Q27 2SA1162Y TUNE BUFFER
SFR1 LIGHT ON TUNING LED ADJ.
AMP
Q11
Q12
Q11, 12 BUFFER 2SC2712GR×2
L15 L.P.F. COIL 1 POLE MPX×2
L16
Q50 2SA1318U
Q22 2SC2712 GR
Q22, 50 REG.
IC3 LC7218 PLL
FM:9.2 MW:0 LW:9.2
MONO/ST SWITCH Q40 DTC114YK
TC5 CLOCK FREQ ADJ.
X1 7.2MHz
XIN XOUT VSS EO CE DATA CLK T-BASE AUTO MONO
TP6
PN8
PN7
WITHOUT APPOINTMENT CHIP PARTS:2125 TYPE CHIP
* MARK:3216 TYPE CHIP
1/8W REGISTER MARK:AXIAL TYPE 1/8W REGISTER
NC TUNE/ST T-BASE CLK DATA CE
TUNE+ST:1.2 TUNE:2.5 OFF:4.9
TUNE R GND TUNE L TUNE +B 10V NC NC
TO D DISPLAY C.B CN7
TO D DISPLAY C.B CN8
SIGNAL MARK
➡ :FM
⇨ :MW/LW

2

WIRING – 4 (TUNER) < Z >

B TUNER C.B (Z)


1
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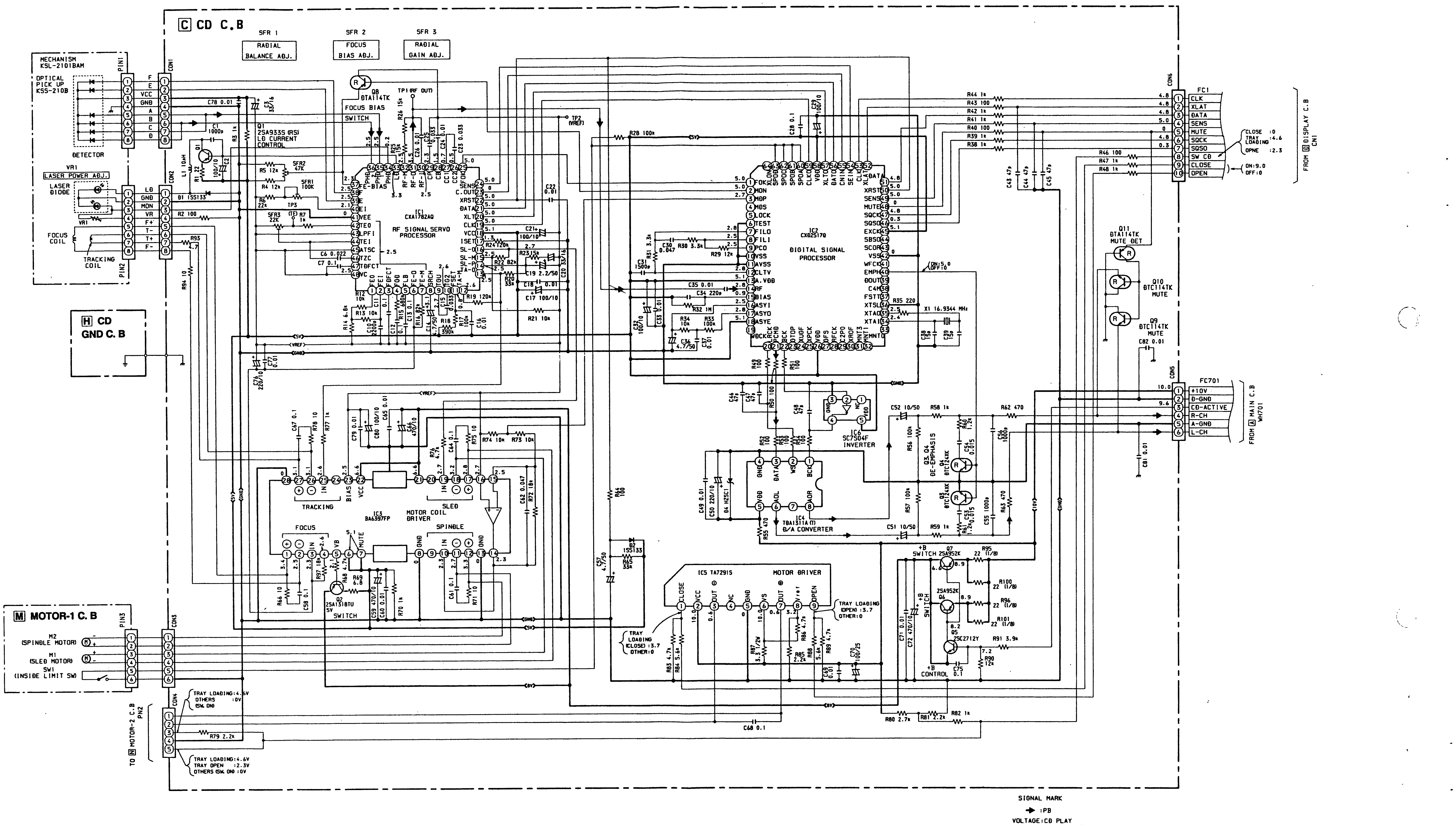
11
12
13
14
A
B
C
D
E
F
G
H
I
J
K
J1
ANTENNA
MW/LW
LOOP
FM
75Ω
(COAXIAL)
IC1
IC2
IC3
TP1 (CLK)
TP2 (VT)
TP3 (DC)
TP4 (DC)
TP5 (VCO)
TP6
PN7
PN8
CN7
CN8
FROM B DISPLAY C.B
FROM B DISPLAY C.B
SFR1
SFR2
X1
Q50
Q20
Q21
Q40

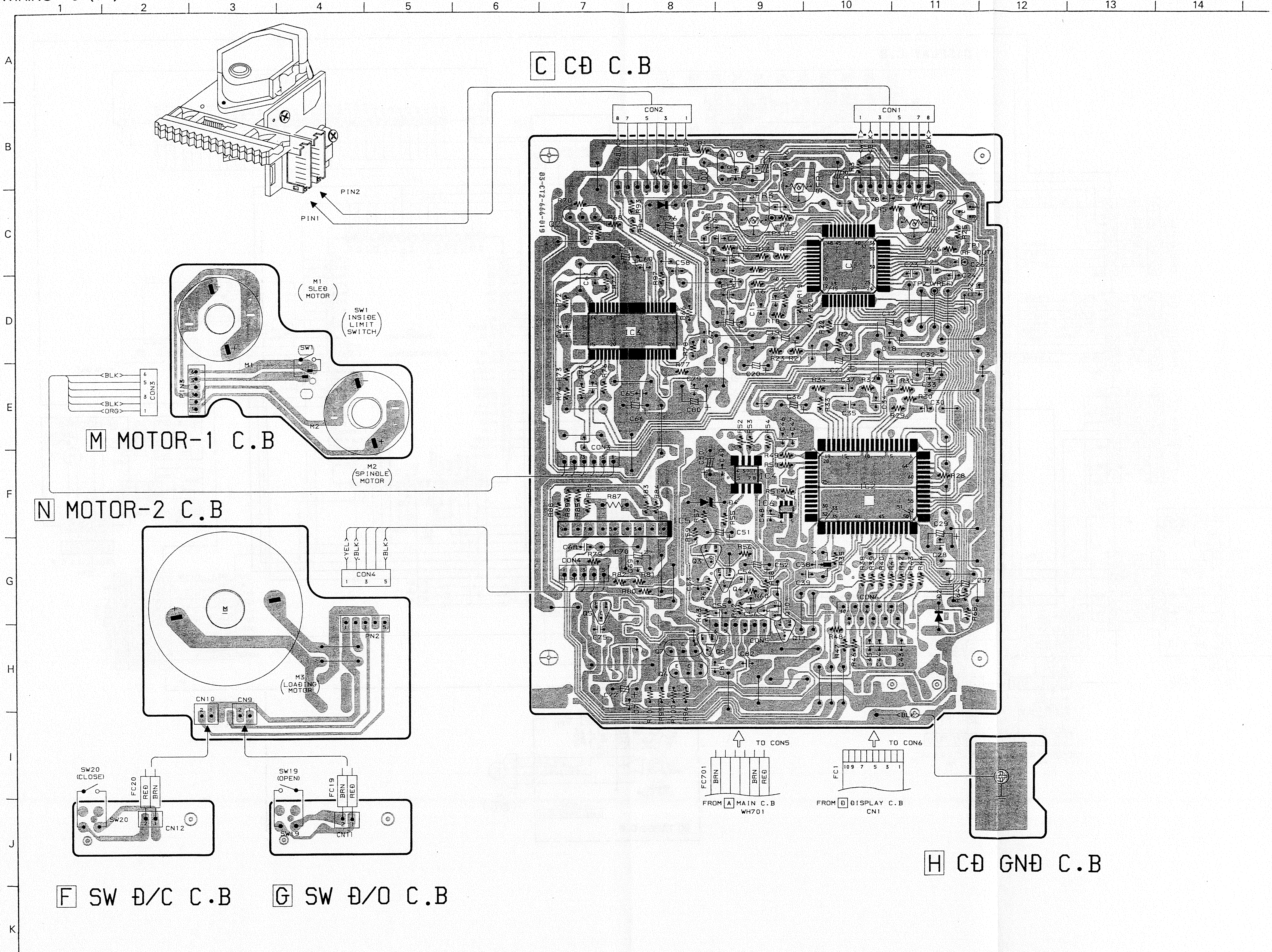
SCHEMATIC DIAGRAM – 5 (CD)



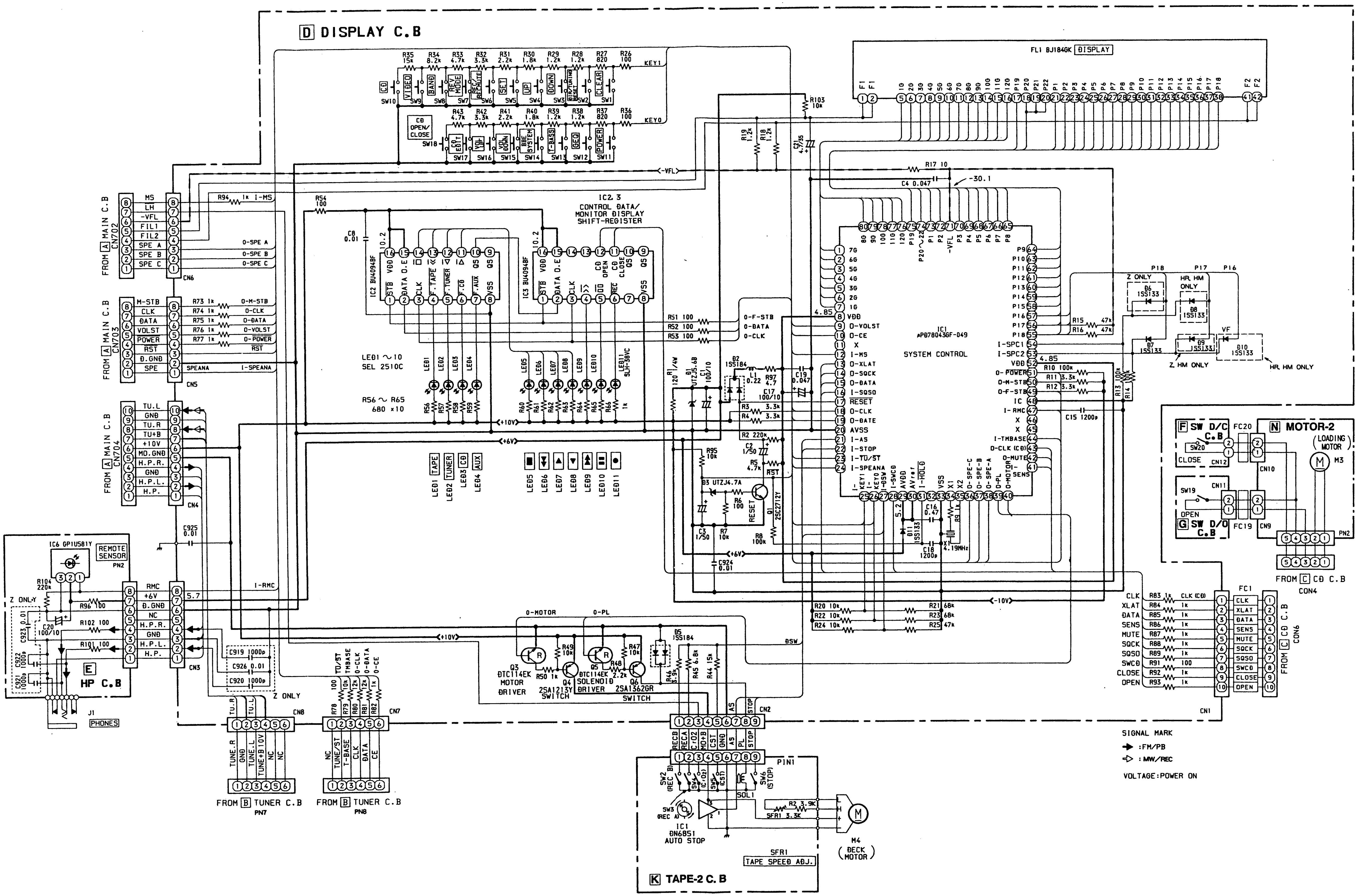
C CD C.B
SFR 1 RADIAL BALANCE ADJ.
SFR 2 FOCUS BIAS ADJ.
SFR 3 RADIAL GAIN ADJ.
MECHANISM KSL-2101BAM
OPTICAL PICK UP KSS-210B
DETECTOR
VR1 LASER POWER ADJ.
LASER DIODE
FOCUS COIL
TRACKING COIL
PIN1
PIN2
CON1
CON2
F
E
VCC
GND
A
B
C
D
LD
GND
MON
VR
F+
T-
T+
F-
Q8 DTA114TK
FOCUS BIAS SWITCH
TP1 (RF OUT)
TP2 (VREF)
Q1 2SA933S (RS) LD CURRENT CONTROL
D1 1SS133
IC1 CXA1782AQ RF SIGNAL SERVO PROCESSOR
IC2 CXD2517Q DIGITAL SIGNAL PROCESSOR
X1 16.9344 MHz
H CD GND C.B
IC3 BA6397FP MOTOR COIL DRIVER
TRACKING
SLED
FOCUS
SPINDLE
Q2 2SA1318TU 5V SWITCH
IC4 TDA1311A (T) D/A CONVERTER
IC6 SC7504F INVERTER
IC5 TA7291S MOTOR DRIVER
Q3, Q4 DTC124XK DE-EMPHASIS
Q7 2SA952K +B SWITCH
Q6 2SA952K +B SWITCH
Q5 2SC2712Y +B CONTROL
Q11 DTA114TK MUTE DET
Q10 DTC114TK MUTE
Q9 DTC114TK MUTE
CON6
FC1
CLK
XLAT
DATA
SENS
MUTE
SQCK
SQSO
SW CD
CLOSE
OPEN
FROM D DISPLAY C.B CN1
CLOSE :0
TRAY LOADING :4.6
OPNE :2.3
ON:9.0
OFF:0
CON5
FC701
+10V
D-GND
CD-ACTIVE
R-CH
A-GND
L-CH
FROM A MAIN C.B WH701
M MOTOR-1 C.B
PIN3
CON3
M2 (SPINDLE MOTOR)
M1 (SLED MOTOR)
SW1 (INSIDE LIMIT SW)
CON4
TO N MOTOR-2 C.B PN2
TRAY LOADING:4.6V
OTHERS :0V
(SW. ON)
TRAY LOADING:4.6V
TRAY OPEN :2.3V
OTHERS (SW. ON) :0V
TRAY LOADING (CLOSE) :3.7
OTHER:0
TRAY LOADING (OPEN) :3.7
OTHER:0
SIGNAL MARK
➔ :PB
VOLTAGE:CD PLAY

2

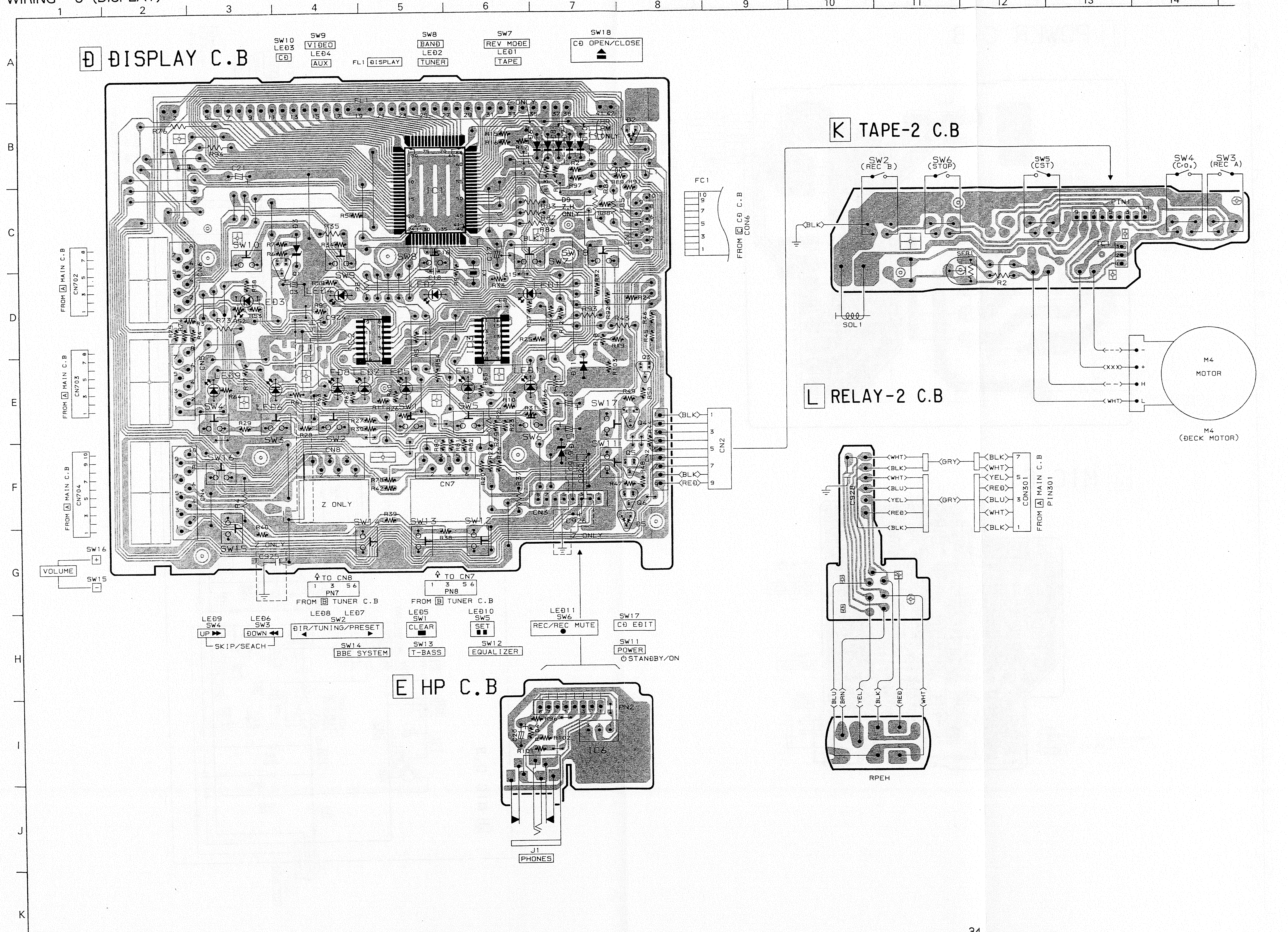
WIRING – 5 (CD)


1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H I J K
C CD C.B
CON2
CON1
PIN1
PIN2
M1 (SLED MOTOR)
SW1 (INSIDE LIMIT SWITCH)
M2 (SPINDLE MOTOR)
CON3
PIN3
<BLK>
<ORG>
M MOTOR-1 C.B
N MOTOR-2 C.B
CON4
<YEL>
M3 (LOADING MOTOR)
PN2
CN10
CN9
SW20 (CLOSE)
FC20
RED
BRN
CN12
SW19 (OPEN)
FC19
CN11
F SW D/C C.B
G SW D/O C.B
IC1
IC2
IC3
TO CON5
FC701
FROM A MAIN C.B WH701
TO CON6
FC1
FROM D DISPLAY C.B CN1
H CD GND C.B
83-CT2-666-010

SCHEMATIC DIAGRAM – 6 (DISPLAY)


D DISPLAY C.B
FL1 BJ184GK DISPLAY
IC1 μPD78043GF-049
SYSTEM CONTROL
IC2, 3
CONTROL DATA/
MONITOR DISPLAY
SHIFT-REGISTER
IC2 BU4094BF
IC3 BU4094BF
FROM A MAIN C.B CN702
FROM A MAIN C.B CN703
FROM A MAIN C.B CN704
LE01 ~ 10
SEL 2510C
R56 ~ R65
680 ×10
LE01 TAPE
LE02 TUNER
LE03 CD
LE04 AUX
IC6 GP1U581Y
REMOTE SENSOR
E HP C.B
J1
PHONES
Z ONLY
Q3
DTC114EK
MOTOR
DRIVER
Q4
2SA1213Y
SWITCH
Q5
DTC114EK
SOLENOID
DRIVER
Q6
2SA1362GR
SWITCH
FROM B TUNER C.B
PN7
FROM B TUNER C.B
PN8
PIN1
SW2 (REC B)
SW3 (REC A)
IC1
DN6851
AUTO STOP
SOL1
SFR1
TAPE SPEED ADJ.
M4
(DECK MOTOR)
K TAPE-2 C.B
F SW D/C C.B
G SW D/O C.B
N MOTOR-2
(LOADING MOTOR)
M3
FROM C CD C.B
CON4
FROM C CD C.B
CON6
CN1
SIGNAL MARK
➔ : FM/PB
⇨ : MW/REC
VOLTAGE: POWER ON

WIRING – 6 (DISPLAY)


1
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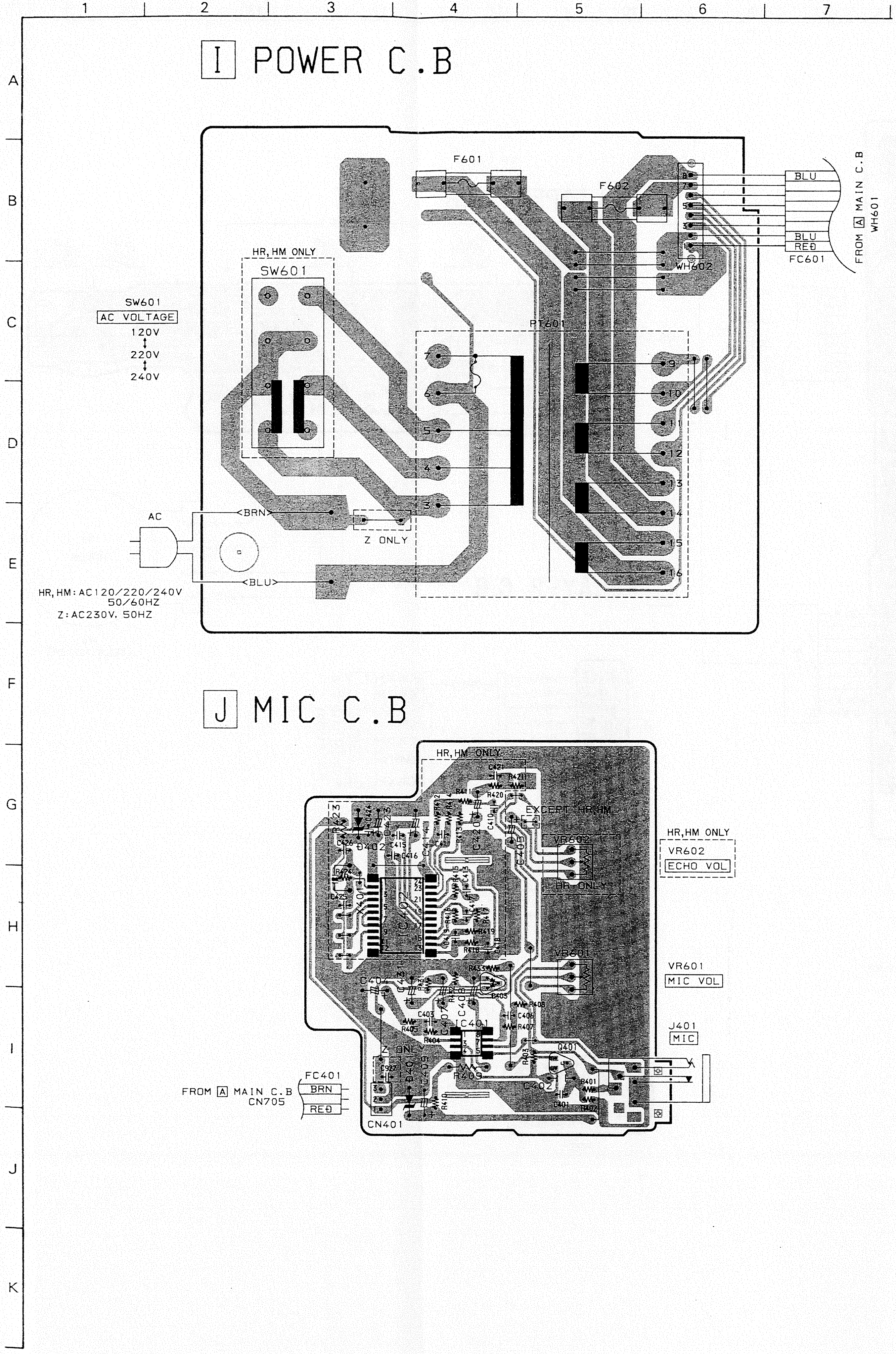
12
13
14
A
B
C
D
E
F
G
H
I
J
K
D DISPLAY C.B
SW10 LED3 CD
SW9 VIDEO LED4 AUX
FL1 DISPLAY
SW8 BAND LED2 TUNER
SW7 REV MODE LED1 TAPE
SW18 CD OPEN/CLOSE ⏏
IC1
IC2
IC3
FL1
FC1
FROM C CD C.B CON6
FROM A MAIN C.B CN702
FROM A MAIN C.B CN703
FROM A MAIN C.B CN704
CN2
CN3
CN7
CN8
Z ONLY
SW16 +
VOLUME
SW15 −
TO CN8 PN7 FROM B TUNER C.B
TO CN7 PN8 FROM B TUNER C.B
LED9 SW4 UP ▶▶
LED6 SW3 DOWN ◀◀
SKIP/SEACH
LED8 LED7 SW2 DIR/TUNING/PRESET ◀ ▶
SW14 BBE SYSTEM
LED5 SW1 CLEAR ■
SW13 T-BASS
LED10 SW5 SET ▮▮
SW12 EQUALIZER
LED11 SW6 REC/REC MUTE ●
SW17 CD EDIT
SW11 POWER ⏻ STANDBY/ON
E HP C.B
PN2
IC6
R96
R101
R102
J1 PHONES
K TAPE-2 C.B
SW2 (REC B)
SW6 (STOP)
SW5 (CST)
SW4 (CrO2)
SW3 (REC A)
PIN1
SFR1
R2
SOL1
⟨BLK⟩
M4 MOTOR
M4 (DECK MOTOR)
⟨WHT⟩ L
H
+
−
⟨XXX⟩
L RELAY-2 C.B
⟨WHT⟩ ⟨BLK⟩ ⟨WHT⟩ ⟨BLU⟩ ⟨YEL⟩ ⟨RED⟩ ⟨BLK⟩
⟨GRY⟩
⟨BLK⟩ ⟨WHT⟩ ⟨YEL⟩ ⟨RED⟩ ⟨BLU⟩ ⟨WHT⟩ ⟨BLK⟩
CON301
FROM A MAIN C.B PIN301
C928
⟨BLU⟩ ⟨BRN⟩ ⟨YEL⟩ ⟨BLK⟩ ⟨RED⟩ ⟨WHT⟩
RPEH

WIRING – 7 (POWER, MIC)


1
2
3
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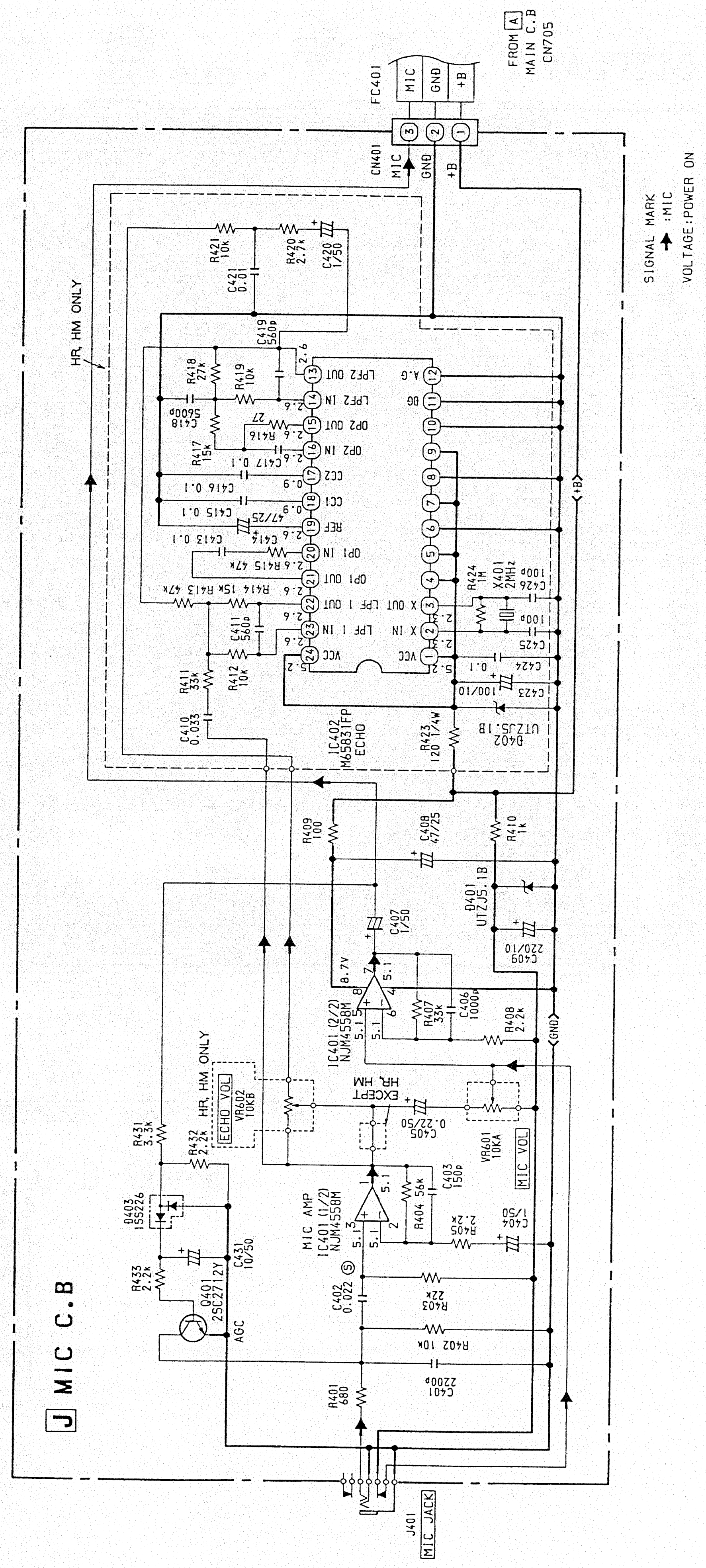
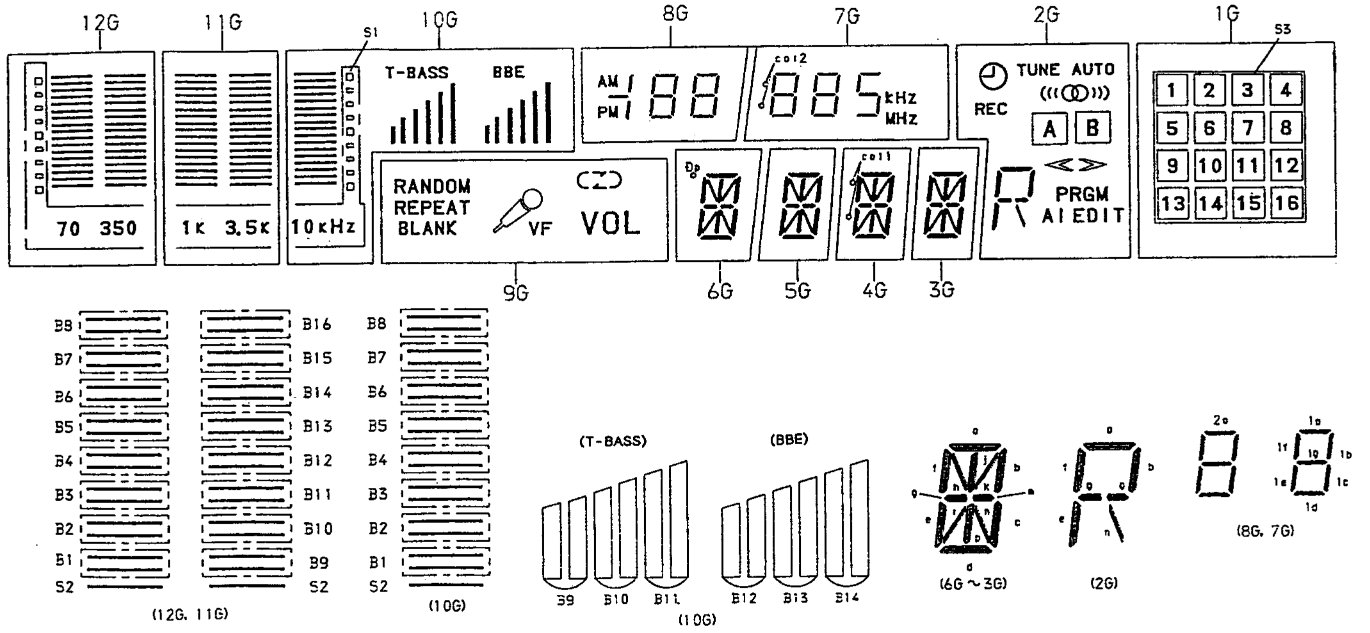
6
7
A
B
C
D
E
F
G
H
I
J
K
I POWER C.B
F601
F602
BLU
BLU
RED
FC601
FROM A MAIN C.B WH601
WH602
HR, HM ONLY
SW601
SW601
AC VOLTAGE
120V
220V
240V
PT601
AC
BRN
BLU
Z ONLY
HR, HM: AC120/220/240V 50/60HZ
Z: AC230V, 50HZ
J MIC C.B
HR, HM ONLY
EXCEPT HR, HM
VR602
HR, HM ONLY
VR602
ECHO VOL
VR601
VR601
MIC VOL
J401
MIC
IC402
IC401
Q401
D401
D402
D403
FC401
BRN
RED
FROM A MAIN C.B CN705
CN401
Z ONLY

SCHEMATIC DIAGRAM – 7 (MIC)


FROM A MAIN C.B CN705
FC401
MIC
GND
+B
CN401
MIC
GND
+B
SIGNAL MARK
:MIC
VOLTAGE: POWER ON
HR, HM ONLY
J MIC C.B
IC402 MJ45831FP ECHO
LPF2 OUT
LPF2 IN
OP2 OUT
OP2 IN
CC2
CC1
REF
OP1 IN
OP1 OUT
X OUT LPF1 OUT
X IN LPF1 IN
VCC
A.G
DG
X401 2MHz
R424 1M
D402 UTZJ5.1B
R423 120 1/4W
IC401 (2/2) NJM4558M
IC401 (1/2) NJM4558M
MIC AMP
D401 UTZJ5.1B
C409 220/10
R410 1k
R409 100
C408 47/25
C407 1/50
R407 33k
C406 1000p
R408 2.2k
EXCEPT HR, HM
C405 0.22/50
VR601 10KA
MIC VOL
VR602 10KB
ECHO VOL
HR, HM ONLY
R431 3.3k
R432 2.2k
D403 1SS226
R433 2.2k
Q401 2SC2712Y
C431 10/50
AGC
C402 0.022
R404 56k
C403 150p
R405 2.2k
C404 1/50
R403 22k
R402 10k
R401 680
C401 2200p
J401
MIC JACK
R421 10k
R420 2.7k
C420 1/50
C421 0.01
C419 560p
R418 27k
R419 10k
C418 5600p
R416
R417 15k
C417 0.1
C416 0.1
C415 0.1
C414 47/25
C413 0.1
R415 47k
R414 15k
R413 47k
C411 560p
R411 33k
R412 10k
C410 0.033
C426 100p
C425
C424 0.1
C423 100/10
8.7V
5.1
2.6
<GND>
<+B>

FL (BJ184GK) GRID ASSIGNMENT/ANODE CONNECTION

GRID ASSIGNMENT


12G
11G
S1
10G
8G
7G
2G
1G
S3
70 350
1K 3.5K
10KHz
T-BASS
BBE
AM
PM
col2
kHz
MHz
TUNE AUTO
REC
A B
RANDOM
REPEAT
BLANK
VF
VOL
col1
PRGM
AI EDIT
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
9G
6G
5G
4G
3G
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16
S2
(12G, 11G)
(10G)
(T-BASS)
(BBE)
B9 B10 B11 B12 B13 B14
(10G)
(6G ~ 3G)
(2G)
(8G, 7G)

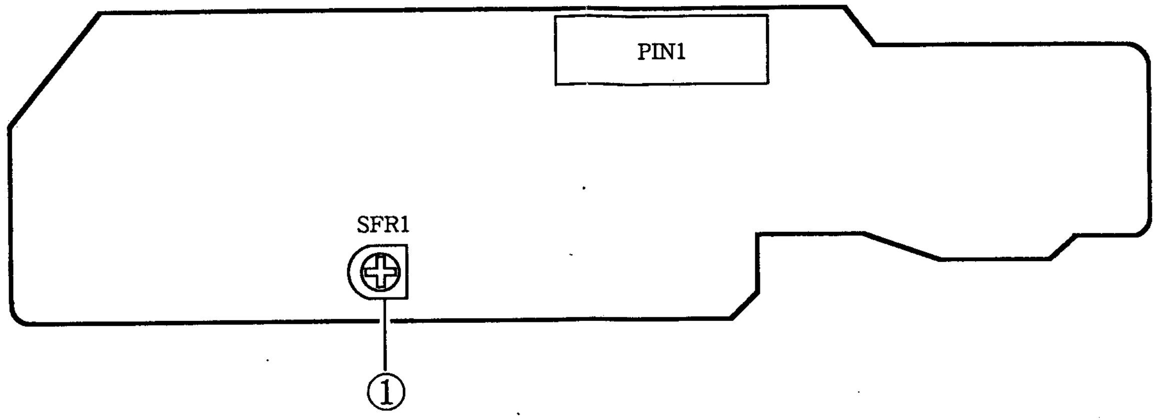
ANODE CONNECTION

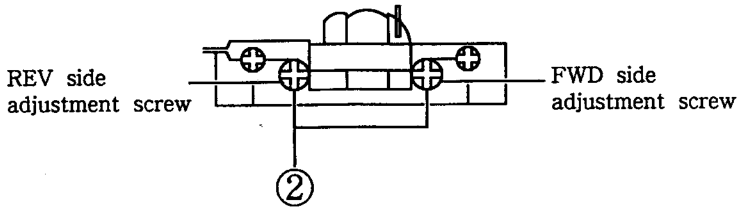
	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B1	B1	B1	**REPEAT**	2a	2a	—	—	col1 [bottom]	—	**TUNE**	**16**
P2	B2	B2	B2	**RANDOM**	2f	2f	n	n	n	n	n	**14**
P3	B3	B3	B3	**BLANK**	2c	2c	r	r	r	r	**AI**	**12**
P4	B4	B4	B4	(	2d	2d	c	c	c	c	**EDIT**	**10**
P5	B5	B5	B5	)	1a	1a	m	m	m	m	**PRGM**	**8**
P6	B6	B6	B6	🎤VF	1f	1f	b	b	b	b	b	**6**
P7	B7	B7	B7	VOL	1c	1c	j	j	j	j	≫	**4**
P8	B8	B8	B8	—	1d	1d	a	a	a	a	a	**2**
P9	B9	B9	B9	—	2b	2b	d	d	d	d	**AUTO**	**15**
P10	B10	B10	B10	—	2g	2g	p	p	p	p	◷	**13**
P11	B11	B11	B11	—	2e	2e	e	e	e	e	e	**11**
P12	B12	B12	B12	—	/	col2 [top]	g	g	g	g	g	**9**
P13	B13	B13	B13	—	1b	1b	f	f	f	f	f	**7**
P14	B14	B14	B14	—	1g	1g	k	k	k	k	((‹◯◯›))	**5**
P15	B15	B15	**BBE**	—	1e	1e	h	h	h	h	≪	**3**
P16	B16	B16	—	—	—	col2 [bottom]	Đp	—	col1 [top]	—	**REC**	**1**
P17	—	—	—	—	**AM**	**KHz**	—	—	—	—	[A]	—
P18	—	—	—	—	**PM**	**MHz**	—	—	—	—	[B]	—
P19	—	—	—	—	—	5	—	—	—	—	—	—
P20	S1	S1	S1	⇄	—	—	—	—	—	—	—	—
P21	S2	S2	S2	—	—	—	—	—	—	—	—	—
P22	—	—	**T-BASS**	—	—	—	—	—	—	—	—	S3

ADJUSTMENT – 1

(DECK SECTION)

K DECK C. B




REV side
adjustment screw
FWD side
adjustment screw
②

1. Tape speed Adjustment
   Settings : • Test tape : TTA-100 (TTA-111S)
   • Test point : SP OUT
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 for 3000 ± 40Hz.

2. Head Azimuth Adjustment
   Settings : • Test tape : TTA-310
   (TTA-317E, SCC-1429)
   • Test point : SP OUT
   • Adjustment location :
   Head azimuth
   adjustment screw
   Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum.
   Next, perform on each FWD PLAY mode and REV PLAY mode.

3. PB Frequency Response Check
   Settings : • Test tape : TTA-310
   (TTA-317E, SCC-1429)
   • Test point : SP OUT
   (BBE, GEQ, T-BASS OFF)
   Method : Play back the 315Hz and 10kHz signals of the test tape and check the output of the 10kHz signal is +2 ~ +9dB with respect to that of the 315Hz signal.

4. REC/PB frequency Response Check
   Settings : • Test tape : TTA-601 (TTA-119K)
   • Test point : SP OUT
   (BBE, GEQ, T-BASS OFF)
   Method : 1) Apply a signal lowered from 775mV (0dB) to -20dB by attenuator to AUX terminal.
   2) Record and play back the 100Hz and 10kHz of the test tape.
   3) Check each difference between record and play back level 10kHz +1 ~ +7dB, 100Hz −11 ~ −5dB.

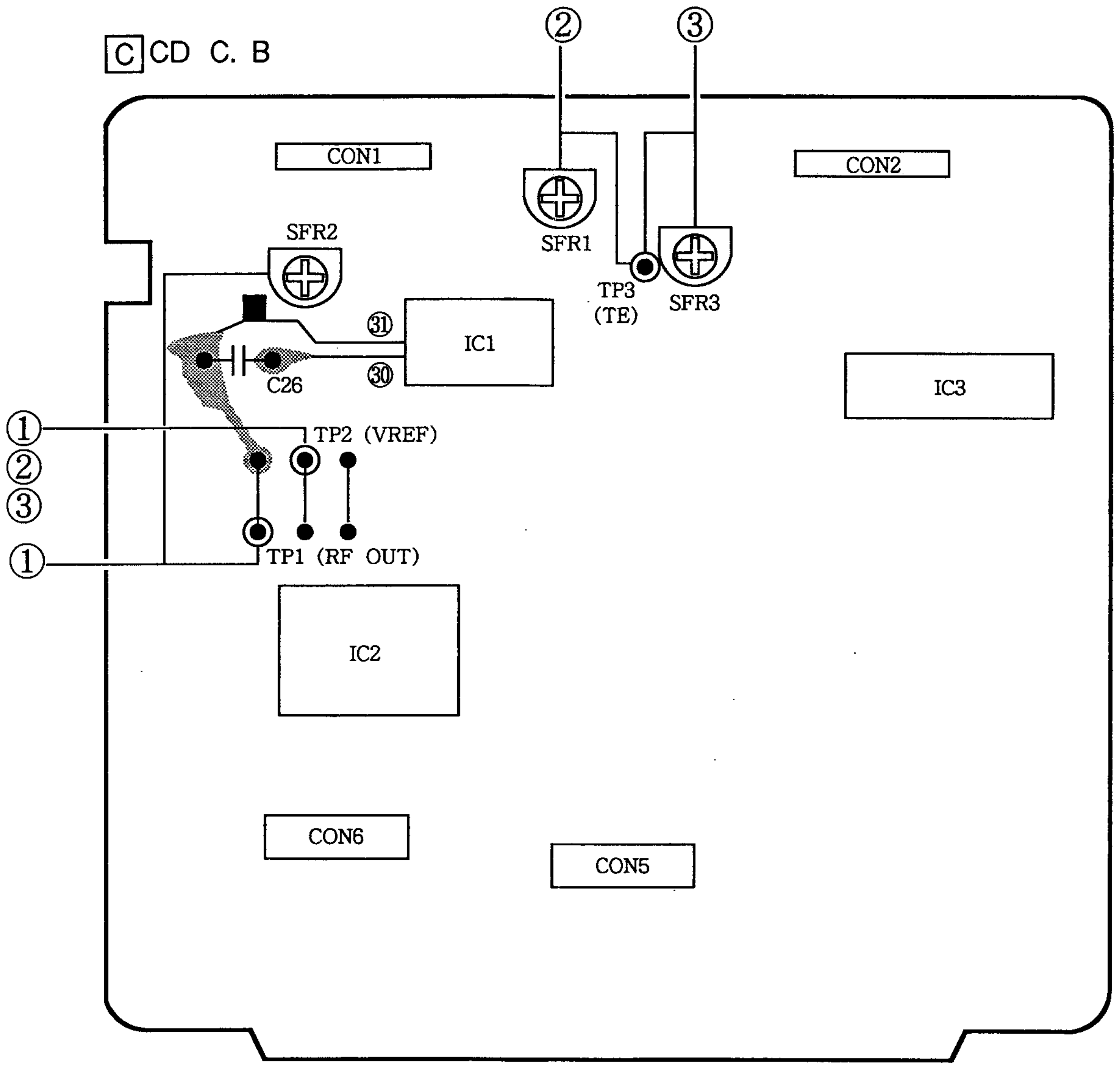
PRACTICAL SERVICE FIGURE

< TAPE RECORDER SECTION >

Distortion :	Less than 2.0% (PB, AC) Less than 3.0% (REC/PB, AC)
S/N ratio :	More than 40dB (PB, AC) More than 38dB (REC/PB, AC)
Noise :	Less than 100mV (PB, AC, MAX) Less than 130mV (REC/PB, AC, MAX)
Erasing ratio :	More than 60dB
Tape speed :	3000Hz ± 40Hz
Wow & flutter :	Less than 0.35% (JIS, RMS)
Take up torque :	30~55g-cm (FWD/REVERSE)
FF torque :	75~180g-cm
REW torque :	75~180g-cm
Back tension :	2~7g-cm
Test tape :	TTA-601 (TTA-119K) TTA-610 (TTA-119H) TTA-310 (TTA-317E, SCC-1429) TTA-100 (TTA-111S)

ADJUSTMENT – 2

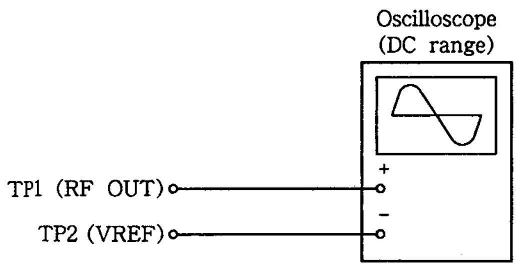
(CD SECTION)



Note : • Connect a probe (10 : 1) of the oscilloscope or the frequency counter to a test point.

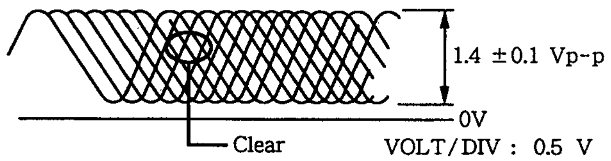
① Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.



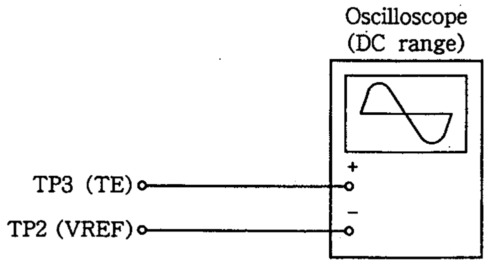
1. Connect an oscilloscope to the test points TP1 (RF OUT) and TP2 (VREF).
2. Turn on the power switch.
3. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
4. Adjust SFR2 so that the level of RF wave to be maximum and clear.

RF signal waveform

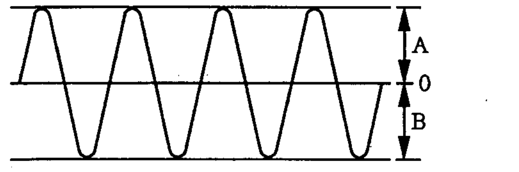


VOLT/DIV : 0.5 V
TIME/DIV : 0.5 μS

② RADIAL Balance Adjustment



1. Connect an oscilloscope to the test points TP3 (TE) and TP2 (VREF).
2. Turn on the power switch.
3. Insert test disc TCD-782 (YEDS-18) and press the PLAY (▶) button.
4. Connected the intermediate point of SFR3 to TP2 (VREF).
5. Adjust SFR1 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
6. Remove the connected wire.



A = B

VOLT/DIV : 100 mV
TIME/DIV : 0.5 mS

③ RADIAL Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therfore, do not perform this adjustment.
Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechinical shock when 2-axis device operates. However, as these gains are reciprocated, the adjustment is performed so that both gains are satisfied.

- When gain is raised, the noise increases when the 2-axis device opearates.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When the gain adjustment is not satisfied, the symptoms below appear.

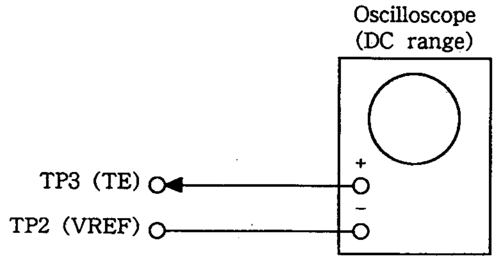
Gain Symptoms	(Focus)	Tracking
● The time until music starts becomes longer for STOP→▶ PLAY or automatic selection (⏮, ⏭ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
● Music does not start and disc continues to rotate for STOP →▶ PLAY or automatic selection (⏮, ⏭ buttons pressed.)	–	low
● Disc stops to rotate shortly after STOP→▶ PLAY.	low or high	–
● Sound is interrupted during PLAY. Or time counter display stops.	–	low
● More noises during the 2-axis device operation.	high	high

The following is simple adjustment method.

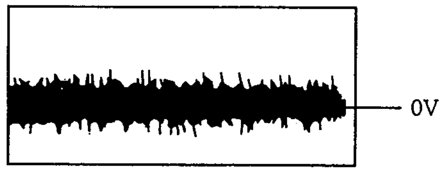
– Simple adjustment –

Note : Since the adjustment cannot be performed exactly, remember the positions of the controls before the adjustment and compare the adjusted position and the original position.
If the difference is a little, return the control to the original position.

Procedure :



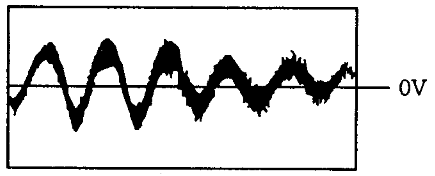
1. Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
2. Insert test disc TCD-782 (YEDS-18) and play back the second composition.
3. Connect an oscilloscope to TP3 (TE) of the main board.
4. Adjust SFR3 so that the waveform appears as shown in the figure below.(tracking gain adjustment)



VOLT/DIV : 50 mV
TIME/DIV : 1 mS

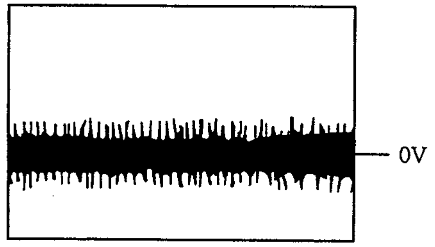
- Incorrect example

Low tracking gain
(The fundamental wave appears as compared with the waveform adjusted.)



VOLT/DIV : 50 mV
TIME/DIV : 1 mS

High tracking gain
(The frequency of the fundamental wave is higher than that in low gain.)

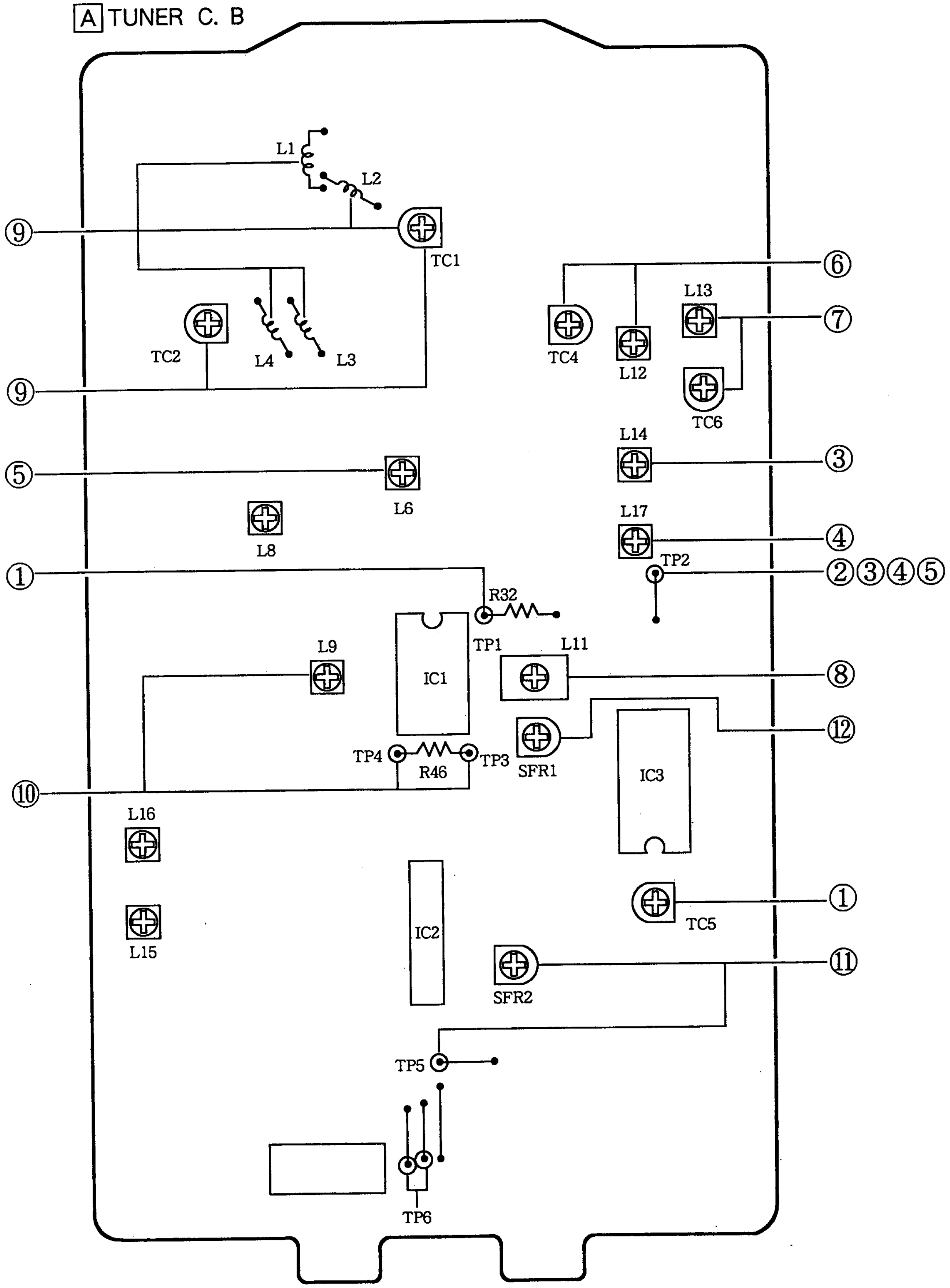


VOLT/DIV : 50 mV
TIME/DIV : 1 mS

2

ADJUSTMENT – 3
(TUNER SECTION) <Z, HR>

A TUNER C. B



When removing the tuner board in order to repair the unit, use the following TUNER C.B extension cord for servicing.

PART NO.	DESCRIPTION
09 – 011 – 085 – 010	LCX – 7KIT

1. CLOCK Adjustment
   Settings : • Test point : TP1
   • Adjustment location : TC5
   • Set the function to MW mode.
   Method : Set to MW 1602kHz and adjust TC5 so that the test point becomes 2052kHz ± 0.01kHz.

2. MW VT Check (HR only)
   Settings : • Test point : TP2
   • Set the function to MW mode.
   Method : Set to MW 531kHz and check VT voltages at the test point are within 1.2 ± 0.1V.

3. AM (MW) VT Adjustment (Z only)
   Settings : • Test point : TP2
   • Adjustment location : L14
   • Set the function to AM (MW) mode.
   Method : Set to AM (MW) 531kHz and adjust L14 so that the test point becomes 1.2 ± 0.1V.

4. LW VT Adjustment (Z only)
   Settings : • Test point : TP2
   • Adjustment location : L17
   • Set the function to LW mode.
   Method : Set to LW 153kHz and adjust L17 so that the test point becomes 2.0 ± 0.1V.

5. FM VT Adjustment
   Settings : • Test point : TP2
   • Adjustment location : L6
   • Set the function to FM mode.
   Method : Set to FM 87.5MHz and adjust L6 so that the test point becomes 3.2 ± 0.05V.

6. AM (MW) Tracking Adjustment (Z only)

TC4	603kHz
L12	1404kHz

7. LW Tracking Adjustment (Z only)

TC6	153kHz
L13	288kHz

8. AM (MW) IF Adjustment

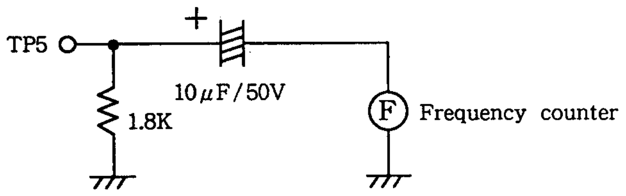
L11	450kHz

9. FM Tracking Adjustment

L1~4	87.5MHz
TC1, 2	108.0MHz

10. DC Balance Adjustment
   Settings : • Test point : TP3, 4
   • SSG 98.0MHz, 54dB
   • Adjustment location : L9
   Method : Set to FM 98.0MHz and adjust L9 so that the voltage between TP3 and TP4 becomes 0 ± 0.02V.

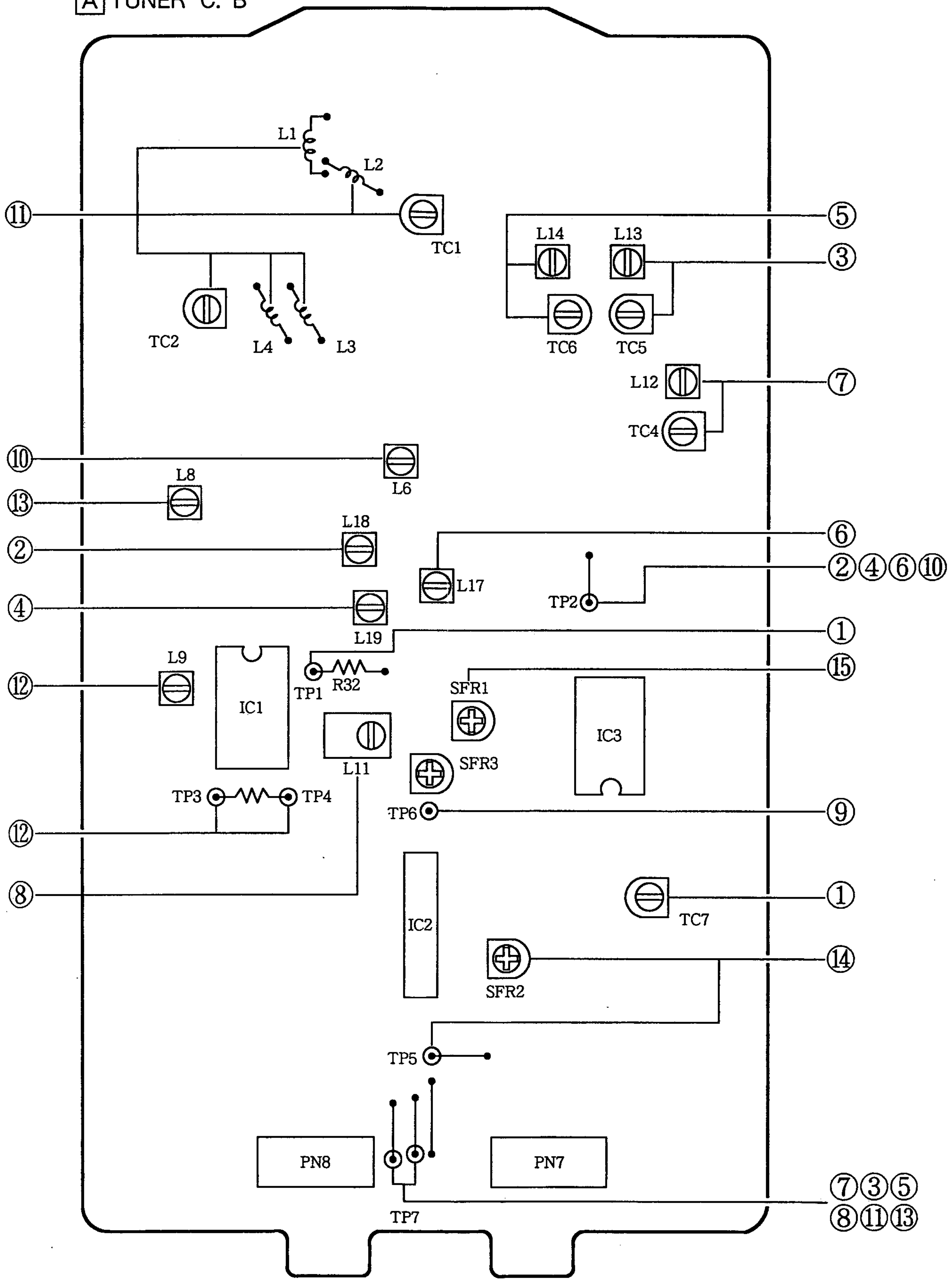
11. MPX VCO Adjustment
   Settings : • Test point : TP5
   • SSG 98.0MHz, 54dB (modulation OFF)
   • Adjustment location : SFR2
   Method : Connect a capacitor and a resistor as below. Set to FM 98.0MHz and adjust SFR2 so that the frequency at the test point becomes 38 ± 0.05kHz



12. Light on tuning LED Adjustment
   Settings : • Adjustment location : SFR1
   • SSG 98.0MHz, 30dB
   Method : Set to FM 98.0MHz and adjust SFR1 so that "TUNE" LED lights.
   After that LED goes out by 3dB down.

ADJUSTMENT – 4
(TUNER SECTION) < HM >

A TUNER C. B



When removing the tuner board in order to repair the unit, use the following TUNER C.B extension cord for servicing.

PART NO.	DESCRIPTION
09 – 011 – 085 – 010	LCX – 7KIT

1. Clock Frequency Adjustment
Settings : • Test point : TP1
• Adjustment location : TC7
Method : Set to MW 1602kHz and adjust TC7 so that the test point becomes 2052kHz ± 0.01kHz.

2. SW2 VT Adjustment
Settings : • Test point : TP2 (VT)
• Adjustment location : L18
Method : Set to SW2 21.85MHz and adjust L18 so that the test point becomes 7.5V ± 0.05V.

3. SW2 Tracking Adjustment
Settings : • Test point : TP7
• Adjustment location : L13 ········9.5MHz
TC5 ····· 21.85MHz
Method : Set up TC5 to center before adjustment. The level at 9.5MHz is adjusted to MAX by L13. Then the level at 21.85MHz is done by TC5.

4. SW1 VT Adjustment
Settings : • Test point : TP2 (VT)
• Adjustment location : L19
Method : Set to SW1 7.3MHz and adjust L19 so that the test point becomes 8.0V ± 0.05V.

5. SW1 Tracking Adjustment
Settings : • Test point : TP7
• Adjustment location : L14 ········3.2MHz
TC6 ········7.3MHz
Method : Set up TC6 to center before adjustment. The level at 3.2MHz is adjusted to MAX by L14. Then the level at 7.3MHz is done by TC6.

6. MW VT Adjustment
Settings : • Test point : TP2 (VT)
• Adjustment location : L17
Method : Set to MW 1710kHz and adjust L17 so that the test point becomes 9.0V ± 0.05V.

7. MW Tracking Adjsutment
Settings : • Test point : TP7
• Adjustment location : L12 ········603kHz
TC4 ·······1404kHz
Method : Set up TC4 to center before adjustment. The level at 603kHz is adjusted to MAX by L12. Then the level at 1404kHz is done by TC4.

8. MW IF Adjustment
Settings : • Test point : TP7
L11 ·································450kHz

9. SW2 AGC Voltage Adjustment
Settings : • Test point : TP6 (AGC)
• Adjustment location : SFR3
• SSG ATT level : 60dB (EMFμ)
Method : Set to SW2 21.85MHz and adjust SFR3 so that the test point becomes 2.5V ± 0.1V.

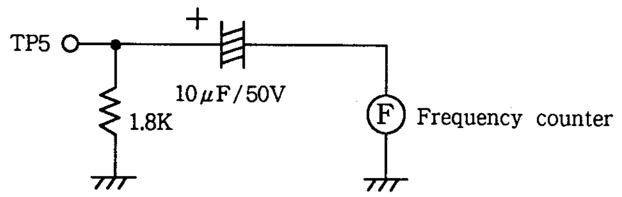
10. FM VT Adjustment
Settings : • Test point : TP2 (VT)
• Adjustment location : L6
Method : Set to FM 87.5MHz and adjust L6 so that the test point becomes 3.0V ± 0.05V.

11. FM Tracking Adjustment
Settings : • Test point : TP7
L1~L4 ···························· 87.5MHz
TC1, TC2 ·························· 108MHz

12. DC Balance Adjustment
Settings : • Test point : TP3, 4
• SSG 98.0MHz, 54dB (modulation OFF)
• Adjustment location : L9
Method : Set to FM 98.0MHz and adjust L9 so that the voltage between TP3 and TP4 becomes 0 ± 0.02V.

13. Distortion Adjustment
Settings : • Test point : TP7
• SSG 98.0MHz, 54dB (modulation ON 1kHz)
• Adjustment location : L8
Method : Set to FM 98.0MHz and adjust L8 so that the test point becomes less than 0.8 %.

14. MPX VCO Adjustment
Settings : • Test point : TP5
• SSG 98.0MHz, 54dB (modulation OFF)
• Adjustment location : SFR2
Method : Connect a capacitor and a resistor as below. Set to FM 98.0MHz and adjust SFR2 so that the frequency at the test point becomes 38 ± 0.05kHz



15. Light on tuning LED Adjustment
Settings : • Adjustment location : SFR1
• SSG 98.0MHz, 30dB
Method : Set to FM 98.0MHz and adjust SFR1 so that the "TUNE" indicator lights. After that "TUNE" goes out by 2dB down.

PRACTICAL SERVICE FIGURE

< FM SECTION >

IHF Sensitivity : (THD 3%)	11dB ± 5dB (at 87.5, 98.0, 108.0MHz)
S/N ratio :	More than 60dB (at 98MHz)
Distortion : (Input 54dB)	Less than 1.2% (at 98MHz)
Intermediate frequency :	10.7MHz
Auto stop level :	30dB ± 5dB (at 98MHz)
Stereo separation :	More than 14dB (at 1kHz)

< MW SECTION >

Sensitivity : (S/N 20dB)	56dB ± 6dB (at 603kHz) 53dB ± 6dB (at 999, 1404kHz)
S/N ratio :	More than 30dB [at 999kHz]
Intermediate frequency :	450kHz
Auto stop level :	50dB ± 10dB (at 999kHz)

< LW SECTION > (Z, HR ONLY)

Sensitivity : (S/N 20dB)	66dB ± 5dB (at 153kHz) 63dB ± 5dB (at 198kHz) 62dB ± 5dB (at 288kHz)
S/N ratio :	More than 32dB (at 198kHz)

< SW1 SECTION > (HM ONLY)

Sensitivity :	33dB ± 4dB (at 3.2MHz) 30dB ± 4dB (at 5.0MHz) 28dB ± 4dB (at 73MHz)
Distortion :	Less than 1.5% (at 5MHz)

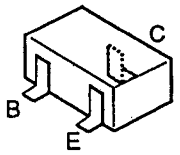
< SW2 SECTION > (HM ONLY)

Sensitivity :	43dB ± 4dB (at 9.5MHz) 36dB ± 4dB (at 15.0MHz) 28dB ± 4dB (at 21.85MHz)
Distortion :	Less than 1.5% (at 5MHz)

IC BLOCK DIAGRAM/IC DESCRIPTIOIN

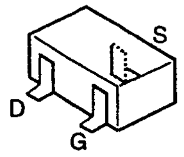
See the LCX − F7 for the IC BLOCK DIAGRAM and IC DESCRIPTION below.	
LCX − F7	LCX − 9
UPD78043GF − 049	UPD78043GF − 049
CXA1782AQ	CXA1782AQ
CXD2517Q	CXD2517Q
BU4094BF	BU4094BF
LC7218	LC7218
BA3830F	BA3830F
TDA1311A (T)	TDA1311A (T)
BU4051BF	BU4051BF
TA7291S	TA7291S
TC9212F	TC9212F
BU4052BF	BU4052BF
M65831FP	M65831FP

TRANSISTOR ILLUSTRATION

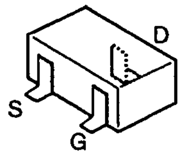


2SA1162
2SA1362
2SC2712
2SC2714
2SC3265
2SC3326
DTA114TK

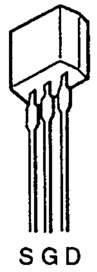
DTA114YK
DTA144EK
DTC114EK
DTC114TK
DTC114YK
DTC124XK
DTC144EK



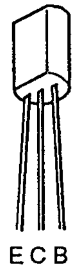
2SK211
2SK302



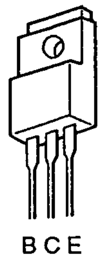
2SK209Y



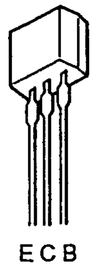
2SK544E



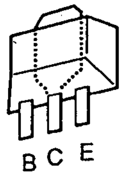
2SA933
2SA952
2SA1318
2SC1815
2SC2001
2SC3266



2SB1292
2SB1370

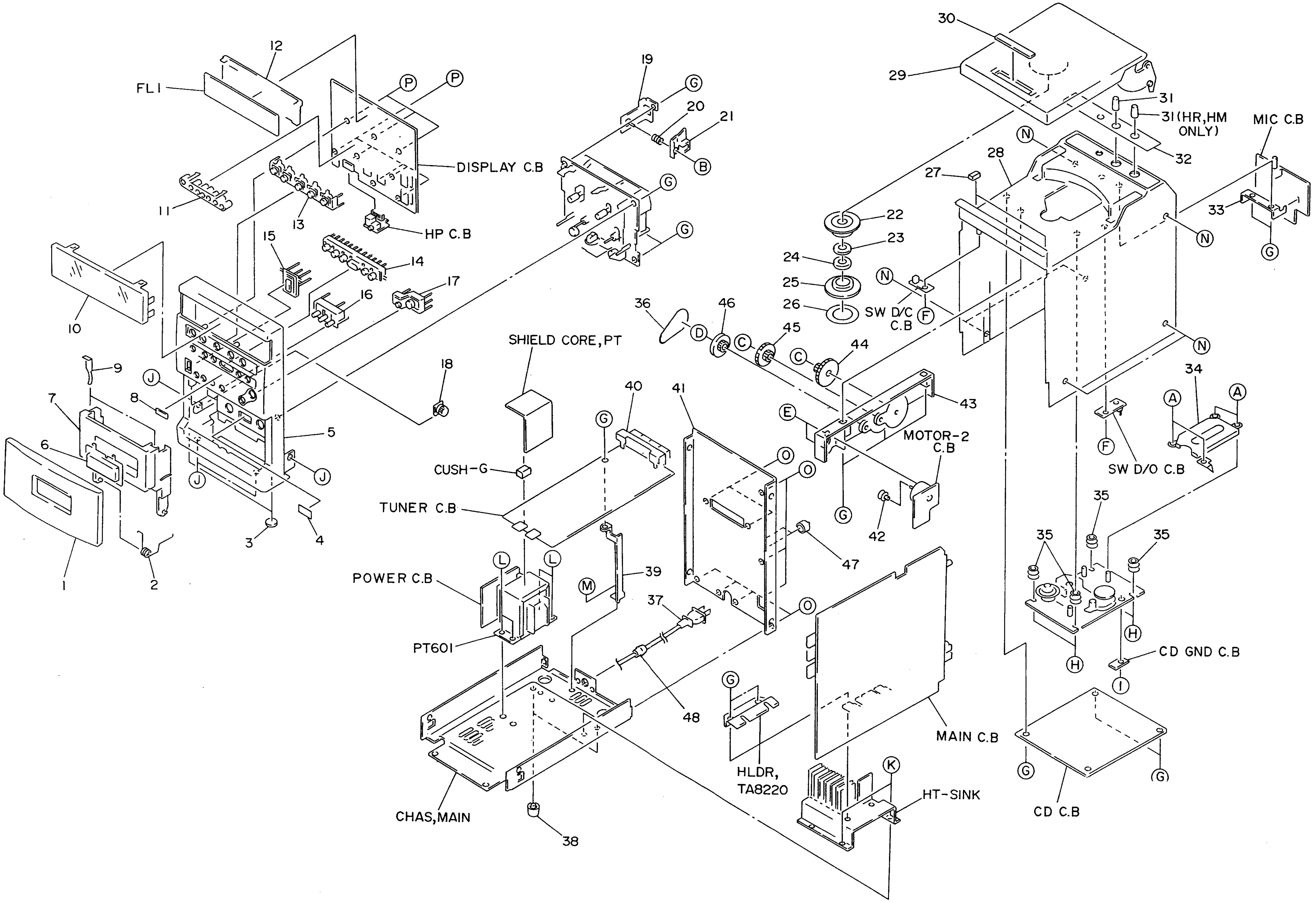


2SC1740S
DTA114YS



2SA1213

MECHANICAL EXPLODED VIEW 1/1

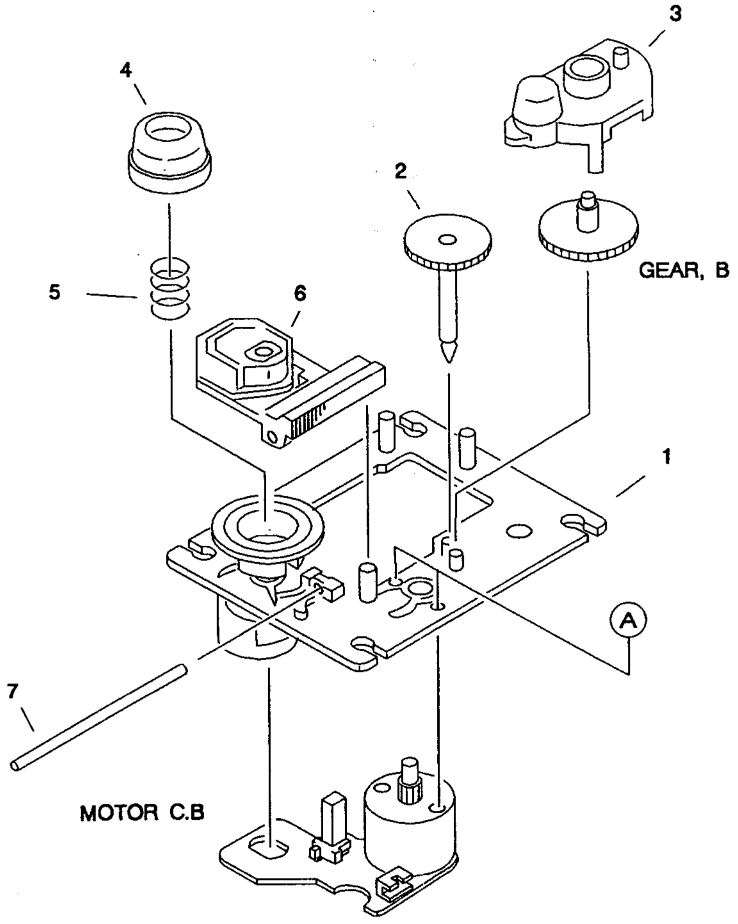

12
FL1
P
P
DISPLAY C.B
11
13
HP C.B
19
G
20
21
B
G
G
10
15
14
16
17
9
7
8
J
5
6
J
J
3
4
1
2
18
SHIELD CORE, PT
CUSH-G
TUNER C.B
40
G
41
POWER C.B
L
L
M
39
37
PT601
48
CHAS,MAIN
38
O
O
O
47
HLDR,
TA8220
MAIN C.B
K
HT-SINK
36
D
46
C
45
C
44
E
43
MOTOR-2
C.B
G
42
22
23
24
25
26
N
SW D/C
C.B
F
27
28
N
30
29
31
31(HR,HM
ONLY)
32
MIC C.B
33
N
G
N
34
A
A
F
SW D/O C.B
35
35
35
H
H
CD GND C.B
I
G
(G)
CD C.B

MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	83-CT2-057-019		LID, CASS/S[ST] ⟨Z⟩
1	83-CT2-003-019		LID, CASS[B] ⟨Z, HR, HM⟩
2	83-CT2-213-019		SPR-T, CASS
3	83-CT2-214-019		CUSH, FOOT
4	81-532-080-019		LBL, CASS-COMPT
5	83-CT2-001-019		CAB, FR[B] ⟨Z, HR, HM⟩
5	83-CT2-056-019		CAB, FR/S[ST] ⟨Z⟩
6	83-CT2-004-019		WINDOW, CASS
7	83-CT2-002-119		BOX, CASS
8	81-CD1-032-019		BADGE, AIWA 30J
9	81-CD2-230-019		SPR-P, CASS
10	83-CT2-008-019		WINDOW, DISP
11	83-CT2-204-019		GUIDE, CONT-LED
12	83-CT2-202-019		HLDR, DISP
13	83-CT2-015-119		BTN, FUNC ASSY
14	83-CT2-010-019		BTN, CONT
15	83-CT2-011-019		BTN, POWER
16	83-CT2-013-019		BTN, T-BASS
17	83-CT2-012-019		BTN, VOL
18	87-063-165-019		OIL-DMPR 150
19	83-CT2-211-019		HLDR ASSY, LOCK
20	80-MV3-218-019		SPR-C, LOCK(SIN)
21	80-CD3-233-010		PLATE, LOCK
22	81-CD2-225-019		CHUCK, CD A
23	81-590-224-019		PLATE MAGNET
24	87-036-216-019		MAGNET
25	80-CD3-205-010		CHUCK, CD B
26	81-CD2-237-019		CUSH, CHUCK L 0.7
27	83-CT2-219-019		CUSH, BOX-CD
28	83-CT2-058-019		CHAS, CD/S[ST] ⟨Z⟩
28	83-CT2-005-019		CHAS, CD[B] ⟨Z, HR, HM⟩
29	83-CT2-059-019		BOX, CD/S[ST] ⟨Z⟩
29	83-CT2-006-019		BOX, CD[B] ⟨Z, HR, HM⟩
30	83-CT2-007-019		WINDOW, CD
31	83-CT2-019-019		KNOB, MIC A
32	83-CT2-049-119		PLATE, MIC 2[B] ⟨Z⟩
32	83-CT2-061-019		PLATE, MIC(2)/S[ST] ⟨Z⟩
32	83-CT2-018-119		PLATE, MIC[B] ⟨HR, HM⟩
33	83-CT2-216-019		HLDR, MIC
34	81-CD2-028-119		PANEL, CD
35	80-CD3-214-019		CUSH CD A
36	83-CT2-210-010		BELT
37	82-187-797-019		AC CORD E[B, ST] ⟨Z, HR⟩
37	87-050-034-019		AC CORD ASSY, E[B] ⟨HM⟩
38	87-085-213-019		FOOT, H12. 5
39	83-CT2-217-019		HLDR, TU
40	81-653-648-010		ANT TERM EARTH PAL[B, ST] ⟨Z⟩
40	81-653-638-119		ANT TERMINAL EARTH[B] ⟨HR, HM⟩
41	83-CT2-050-019		PANEL, REAR HM[B] ⟨HM⟩
41	83-CT2-045-019		PANEL, REAR HR[B] ⟨HR⟩
41	83-CT2-042-019		PANEL, REAR Z[B, ST] ⟨Z⟩
42	83-CT2-208-019		PULLY, MOTOR
43	83-CT2-205-019		HLDR, GEAR
44	83-CT2-206-019		GEAR, A
45	83-CT2-207-019		GEAR, B
46	83-CT2-209-019		PULLY, CD
47	84-508-650-010		RCA CAP
48	87-085-185-010		BUSHING, AC CORD E
A	87-651-034-419		VT1+2-5
B	87-081-808-019		PW, 1. 7-3. 5-0. 25
C	87-663-096-419		VFT1+3-10 BLK
D	87-663-036-419		VFT1+2-8 BLK
E	87-573-073-419		VIT+2. 6-6 BLK
F	87-651-074-419		VT1+2. 6-8
G	87-067-703-019		BVT2+3-10 (W/0 SLOT)
H	81-CD5-204-019		SCREW CD
I	87-067-520-019		VFTT +2-6 (S TIGHT)
J	87-593-094-419		QIT+3-6 BLK
K	87-067-584-019		BVT2+3-6 W/0 SLOT
L	87-067-585-019		BVTT +4-6
M	87-571-092-419		VIT+3-4
N	87-593-095-419		QIT +3-8 BLK
O	87-067-761-019		BVT2+3-10 BLK

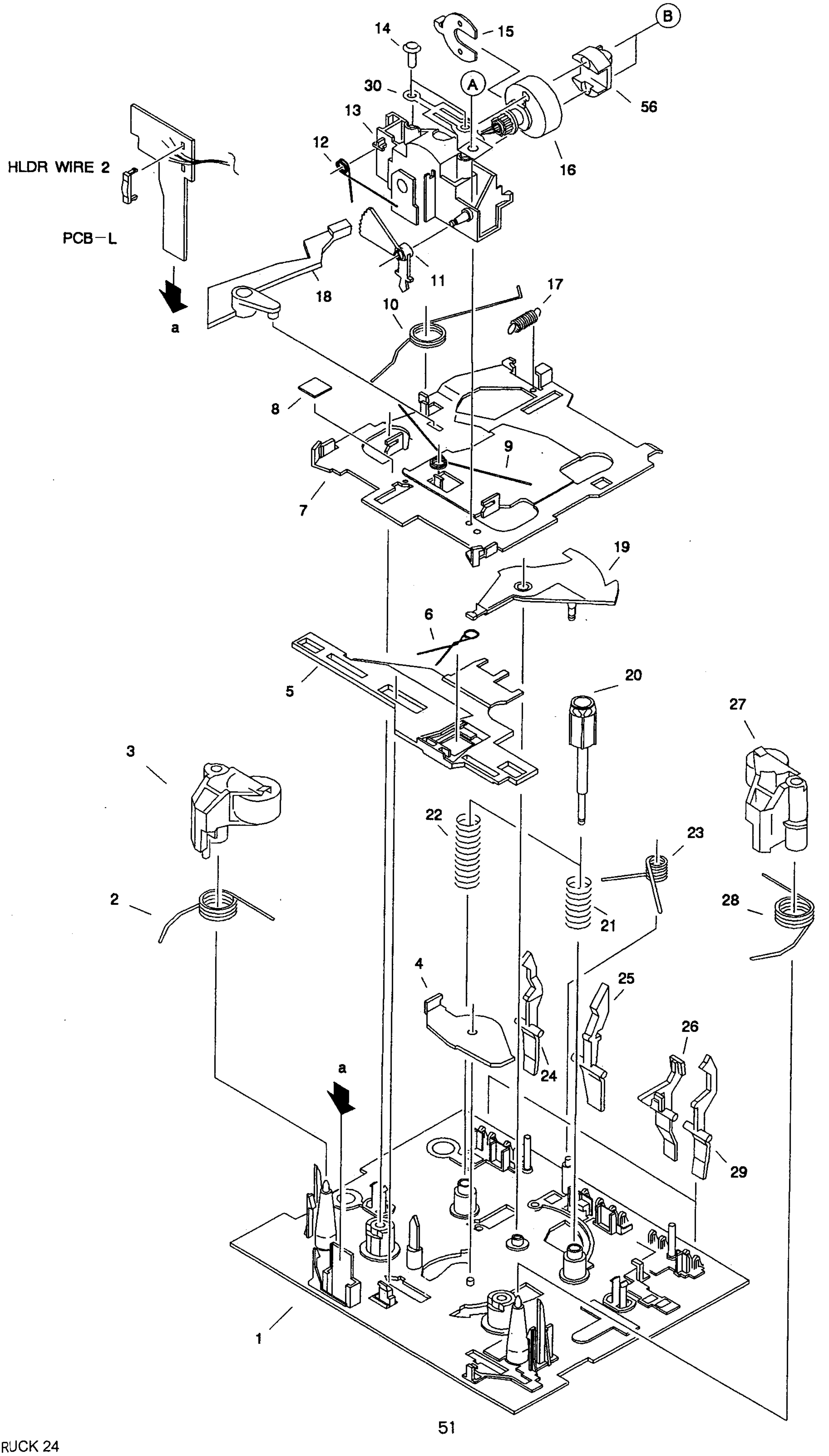
CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	9X-262-513-310		T. T CHASS ASSY W/MOTOR
2	92-625-188-020		GEAR(A)
3	92-625-544-010		COVER
4	92-625-187-010		RING CENTER
5	92-625-191-010		SPRING COMPRESSION
6	98-848-137-210		OPTICAL PICK UP KSS-210B
7	94-917-565-010		SHAFT SLED
A	87-261-032-210		V+2-3

TAPE MECHANISM EXPLODED VIEW 1/1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B
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A
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HLDR WIRE 2
PCB−L
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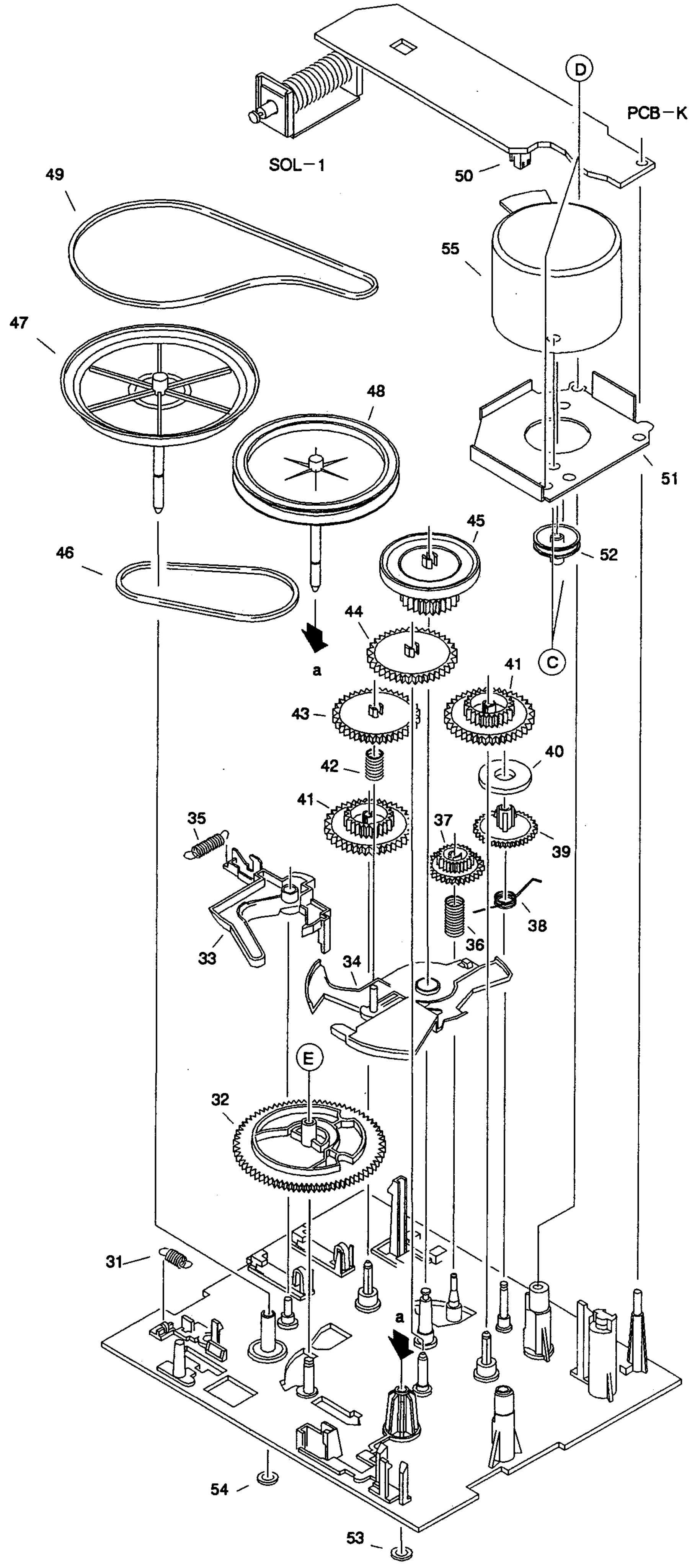
D
PCB−K
SOL−1
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C
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41
35
37
39
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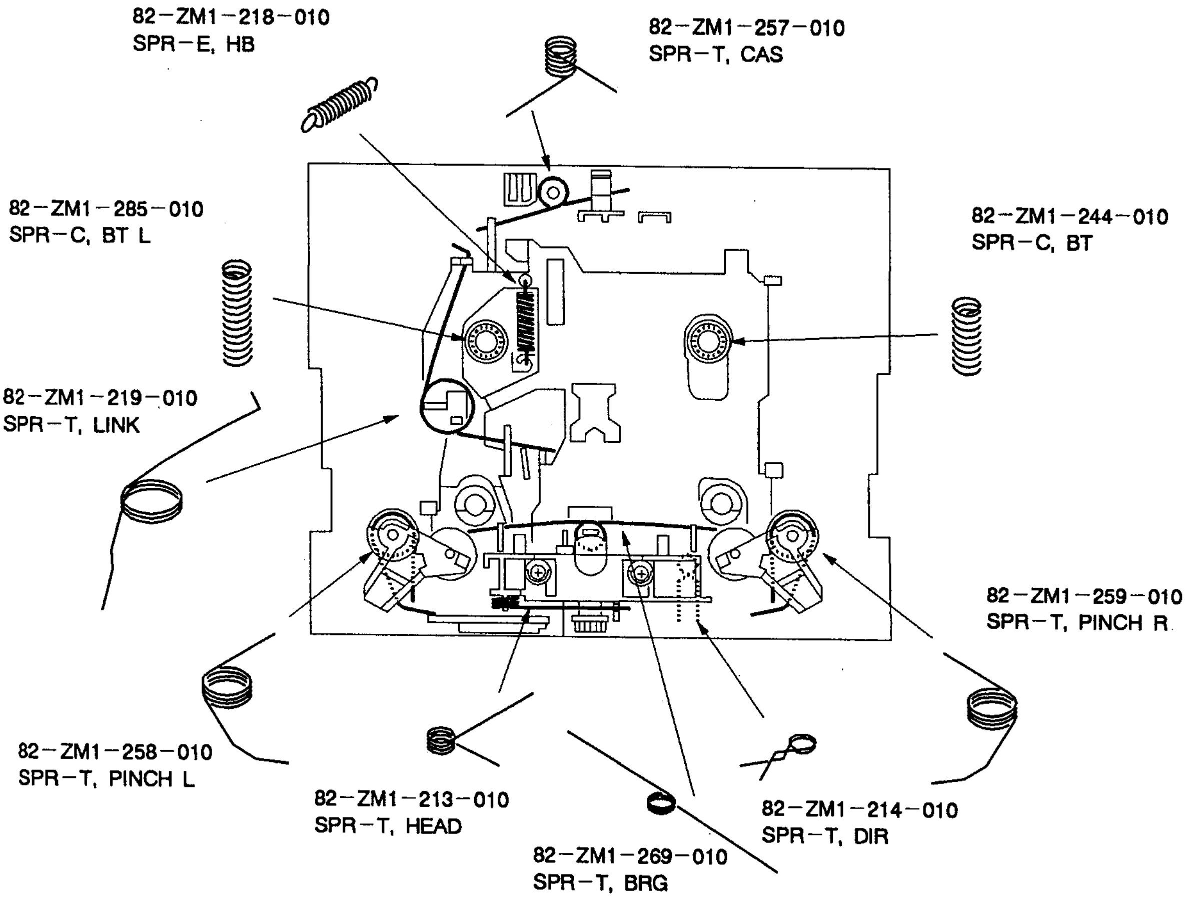
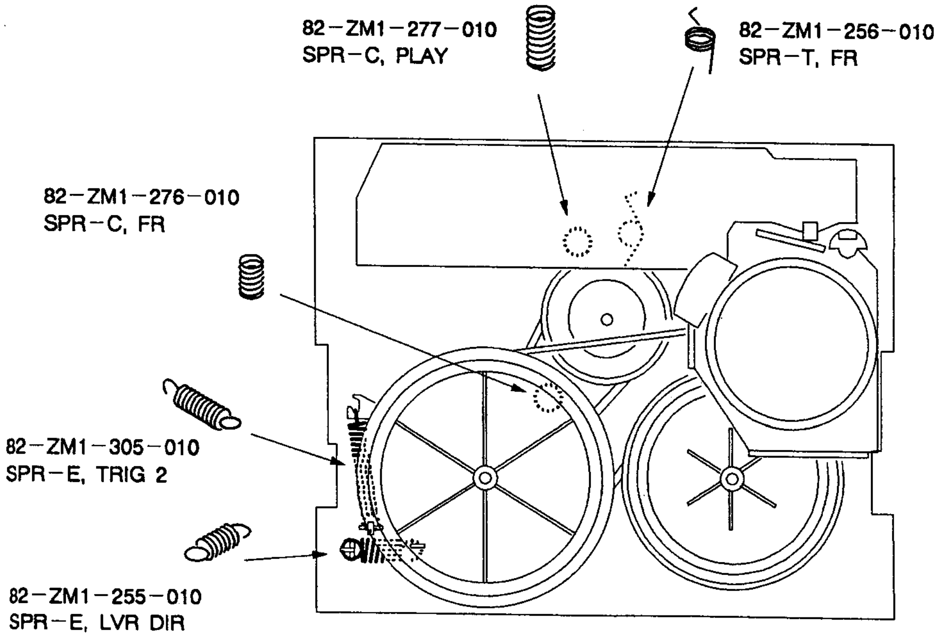
36
33
34
E
32
31
a
54
53

TAPE MECHANISM PARTS LIST 1/1

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	82-ZM1-299-010		CHAS ASSY, R
2	82-ZM1-258-010		SPR-T, PINCH L
3	82-ZM1-248-110		LVR ASSY, PINCH L
4	82-ZM1-295-210		PLATE ASSY, LINK
5	82-ZM1-266-010		LVR, DIR
6	82-ZM1-214-010		SPR-T, DIR
7	82-ZM1-206-210		CHAS, HEAD
8	87-078-014-010		SH, 5-5-0. 05
9	82-ZM1-269-010		SPR-T, BRG
10	82-ZM1-219-010		SPR-T, LINK
11	82-ZM1-210-010		GEAR, H T
12	82-ZM1-213-010		SPR-T, HEAD
13	82-ZM1-207-010		GUIDE, TAPE
14	82-ZM1-283-310		S-SCREW, AZIMUTH
15	82-ZM1-209-010		PLATE, HEAD
16	82-ZM1-208-010		HLDR, HEAD
17	82-ZM1-218-010		SPR-E, HB
18	82-ZM1-263-110		LVR, EJECT
19	82-ZM1-222-010		LVR, PLAY
20	82-ZM1-217-110		REEL TABLE
21	82-ZM1-244-110		SPR-C, BT
22	82-ZM1-285-110		SPR-C, BT L
23	82-ZM1-257-010		SPR-T, CAS
24	82-ZM1-241-110		LVR, MC
25	82-ZM1-242-010		LVR, CAS
26	82-ZM1-243-010		LVR, STOP
27	82-ZM1-253-110		LVR ASSY, PINCH R
28	82-ZM1-259-010		SPR-T, PINCH R
29	82-ZM1-240-110		LVR, REC
30	82-ZM1-298-010		SPR-P, EARTH
31	82-ZM1-255-110		SPR-E, LVR DIR
32	82-ZM1-221-110		GEAR, CAM
33	82-ZM1-227-110		LVR, TRIG
34	82-ZM1-224-110		LVR, FR
35	82-ZM1-305-010		SPR-E, TRIG 2
36	82-ZM1-277-010		SPR-C, PLAY
37	82-ZM1-223-010		GEAR, PLAY
38	82-ZM1-256-110		SPR-T, FR
39	82-ZM1-220-110		GEAR, IDLER
40	80-ZM6-217-010		RING MAGNET 2
41	82-ZM1-216-210		GEAR, REEL
42	82-ZM1-276-010		SPR-C, FR
43	82-ZM1-225-010		GEAR, FR
44	82-ZM1-226-010		GEAR, REW
45	82-ZM1-228-210		SLIP DISK ASSY
46	82-ZM1-261-110		BELT, FR
47	82-ZM1-237-210		FLY-WHL ASSY, R
48	82-ZM1-234-110		FLY-WHL ASSY, L
49	82-ZM1-260-010		BELT, MAIN
50	82-ZM1-245-210		HLDR, IC
51	82-ZM1-246-010		HLDR, MOTOR
52	82-ZM1-247-010		PULLEY, MOTOR
53	82-ZM1-288-010		SH, 1. 63-3. 2-0. 5 SLT
54	80-ZM6-243-010		SH, 1. 75-3. 6-0. 5 SLT
55	87-045-348-010		MOT, SHW 2L 70(M1)
56	87-046-399-010		HEAD, RPH YK56R-BS409(RPH)
A	87-585-036-410		UIT+2-8
B	80-ZM6-207-010		V+1. 6-7
C	87-251-070-410		U+2. 6-3
D	87-741-073-410		UT2+2. 6-6 GLD
E	87-067-932-010		PW, 2. 15-6. 8-0. 5 SLT

SPRING APPLICATION POSITION


82-ZM1-218-010
SPR-E, HB
82-ZM1-257-010
SPR-T, CAS
82-ZM1-285-010
SPR-C, BT L
82-ZM1-244-010
SPR-C, BT
82-ZM1-219-010
SPR-T, LINK
82-ZM1-259-010
SPR-T, PINCH R
82-ZM1-258-010
SPR-T, PINCH L
82-ZM1-213-010
SPR-T, HEAD
82-ZM1-214-010
SPR-T, DIR
82-ZM1-269-010
SPR-T, BRG


82-ZM1-277-010
SPR-C, PLAY
82-ZM1-256-010
SPR-T, FR
82-ZM1-276-010
SPR-C, FR
82-ZM1-305-010
SPR-E, TRIG 2
82-ZM1-255-010
SPR-E, LVR DIR

■SPEAKER LIST (SX－L7)

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	83-CT2-025-019		FRAME, SPKR ASSY L<EXCEPT ZST>
2	83-CT2-026-019		FRAME, SPKR ASSY R<EXCEPT ZST>
3	83-CP2-045-019		FRAME, SPKR ASSY LST<ZST>
4	83-CP2-046-019		FRAME, SPKR ASSY RST<ZST>
5	83-CP2-601-119		SPEAKER, W
6	83-CP2-602-019		CORD, SP

■ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	83-CL2-901-110		IB, E(ESC)〈HR, Z〉
1	83-CL2-902-010		IB, E(EFI)〈Z〉
1	83-CL2-903-010		IB, HM〈HM〉
2	81-748-632-010		FEEDER ANT, FM N〈HR〉
3	82-CL2-906-010		RC-L7 EX〈Z〉
3	82-CL2-907-010		RC-L7 H 〈HR, HM〉
4	87-006-225-010		AM LOOP ANT NC2
4	87-006-226-010		AM LOOP ANT CON2
5	87-043-106-010		FM WIRE ANT(Z)〈Z〉
6	87-042-062-010		PLG, ADPTR S-16115〈HR〉
7	87-043-095-010		ANTENNA WIRE〈HM〉

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
ｻｰｼﾞｻﾌﾟﾚｯｻ	SERGESUPPRESSOR
ｾﾗｺﾝ	CAP, CERA

サービス技術ニュース	
番号	連絡内容
G－　－	
G－　－	
G－　－	

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTORL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOADING MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ｼﾞｸｱｰﾑ	ARM, SHAFT
ｼﾞｸｶﾞｲﾄﾞ	GUIDE, SHAFT
ｽﾄﾗｯﾌﾟ	STRAP
ﾄｸﾅﾍﾞ	S-SCRW
ﾋﾝｼﾞ	HINGE
ﾋﾝｼﾞﾋﾞｽ	S-SCRW
ﾋﾞｽｾﾚｰﾄ	SCRW, SERRART

912204, 750038

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